

BULLETIN

PENNSYLVANIA DEPARTMENT OF AGRICULTURE.

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GENERAL BULLETIN NO. 402

Fertilizer Report 1924

JAMES W. KELLOGG,

Ass't. Director—Chief Chemist

BUREAU OF FOODS AND CHEMISTRY



F. P. Willits, Secretary of Agriculture.

Published monthly by direction of the Secretary. Entered as second class matter, March 22, 1918, at the Post Office at Harrisburg, Pa., under the Act of June 6, 1900. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized on June 29, 1918.

PENNSYLVANIA DEPARTMENT OF AGRICULTURE.

Organization and Services.

FRANK P. WILLITS, *Secretary*

JOHN M. McKEE, *Deputy Secretary*

This Department is essentially a service agency created by legislative enactment to deal with administrative, regulatory, investigational, and educational problems which can best be solved through public rather than individual action. The organization provides for coordination and cooperation with the Pennsylvania State College and the U. S. Department of Agriculture. The Department operates through the following bureaus:

ANIMAL INDUSTRY:

T. E. MUNCE, *Director and State Veterinarian.*

Prevents and eradicates transmissible diseases of animals and poultry, including tuberculosis of animals in cooperation with Federal Government.

Demonstrates to veterinarians control methods for transmissible animal diseases:

Supervises vaccination for and the prevention of hog cholera, anthrax, black leg and hemorrhagic septicemia;

Protects public from unwholesome meats through ante and post mortem examinations of animals at slaughtering establishments;

Inspects, licenses and furnishes information as to breeding, soundness and conformation of stallions and jacks standing for public service;

Enforces law requiring licensing of dogs and providing for protection of livestock and people from attacks of uncontrolled dogs;

Maintains laboratory for diagnostic research and experimental projects.

PLANT INDUSTRY:

C. H. HADLEY, *Director.*

Tests agricultural seeds for purity and germination, and enforces State Seed Law;

Inspects orchards, parks, farms, and plant imports for injurious insects and plant diseases;

Inspects and licenses Pennsylvania nurseries, and licenses all dealers in nursery stock;

Enforces laws governing apicultural practices, disease control and housing;

Places and enforces quarantines and carries on eradication campaigns against insect pests and plant diseases;

Inspects and certifies potatoes for seed purposes;

Makes investigations for the control of injurious insects and plant diseases including field tests of insecticides, fungicides and weed killers;

Maintains collections of insects, plant diseases, plants, and seeds, and identifies specimens.

FOODS AND CHEMISTRY:

JAMES W. KELLOGG, *Director.*

Accomplishes its purpose of protecting Pennsylvania homes against harmful foodstuffs by sampling, analyzing and bringing prosecution under the laws relating to foods and non-alcoholic drinks, including milk, cream, butter, ice-cream, eggs, sausage, fresh meats, soft drinks, fruit syrups, vinegar and kindred food products;

Regulates and issues licenses for the manufacture and sale of oleomargarine;

Licenses and regulates egg-opening plants and cold storage warehouses, maintaining regular inspection and enforcing twelve-month storage limit;

Inspects milk plants and creameries and regulates weighing, testing, buying and selling of milk and cream on a butterfat basis;

Protects honest manufacturers, importers, selling agents and ultimate users of feeding stuffs, fertilizers, lime products, linseed oil, paint, putty, turpentine, insecticides and fungicides, by means of annual registrations followed by inspections, analyses, prosecutions and the publication of the analyses of these products;

Analyzes special samples for residents of the State at the rate of \$1.00 a sample for feeding stuffs, lime products and linseed oils.

MARKETS:

P. R. TAYLOR, *Director.*

Investigates and assists in the marketing of farm products; at present chiefly grain and hay, fruit and vegetables, poultry and eggs, and tobacco;

Compiles and distributes daily market information as to supplies, shipments and prices;

Advises growers on transportation of agricultural products;

Assists cooperative associations and public markets;

Establishes standard grades of farm products and maintains inspection.

STATISTICS:

L. H. WIBLE, *Director.*

Assembles and disseminates essential statistics and facts pertaining to the agriculture of the State, from monthly reports rendered by hundreds of volunteer crop correspondents, information which assists the producer in his sales and interests all industries which deal with agricultural products;

Cooperates with U. S. Bureau of Agricultural Economics in joint crop and livestock reporting and publishes annual and monthly summaries of the data;

Compiles dates of county and local fairs and assembles data pertaining to their success and results during each year.

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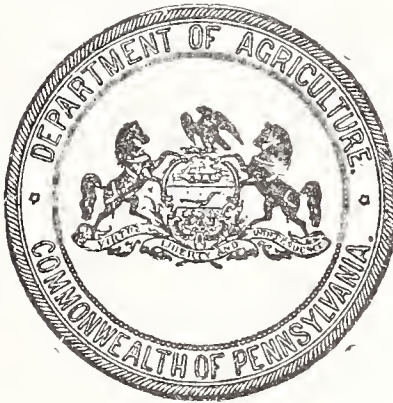
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LETTER OF TRANSMITTAL

PENNSYLVANIA DEPARTMENT OF AGRICULTURE
BUREAU OF FOODS AND CHEMISTRY

Harrisburg, April 6, 1925.

Hon. F. P. Willits,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir:—

I have the honor to transmit herewith for your approval a report showing the tabulated results of chemical analyses made by this Bureau, in accordance with the requirements of the Fertilizer Law, of the official samples of Commercial Fertilizers obtained by the Special Agents during the Spring and Fall shipping seasons of 1924.

It is recommended that this report be published in bulletin form for distribution.

Very respectfully,

JAMES W. KELLOGG,
Ass't Director-Chief Chemist.

CONTENTS

	Page
Letter of Transmittal,	3
Introduction,	5
Conclusions,	5
Acknowledgments,	8
Fertilizer Law amended,	8
Fertilizer Registrations for 1925,	13
Table I—Deficiencies,	42
Table II—Average Analyses and Retail Prices,	42
Table III—Average Analyses of Complete Fertilizers by Formula Grades,	43
Key to Tables,	45
Table IV—Analyses of Complete Fertilizers,	46
Table V—Analyses of Nitrogen and Phosphoric Acid Fertilizers,	102
Table VI—Analyses of Ground Bone Fertilizers,	104
Table VII—Analyses of Acidulated Phosphate Fertilizers, ..	108
Table VIII—Analyses of Rock and Potash Fertilizers,	126
Table IX—Analyses of Miscellaneous Fertilizers,	138

FERTILIZER REPORT

1924

Introduction

Heretofore it has been customary to publish the results of the Spring and Fall Fertilizer Inspections in separate bulletins but for economy in printing and for compiling of analyses the results of examinations of the brands selected during the Fall and Spring shipping season of 1924 were combined and are herewith presented in one report.

During the periods, therefore, 2036 official samples of fertilizers, accompanied by reports for each, which were obtained from Selling Agents throughout the State, as they were found being offered for sale, were received from the Special Agents of the Bureau. A number of these being duplicate brands, representing small lots, in order to avoid unnecessary expense, were not analysed. Accordingly, for the purpose of determining the correctness of guarantees for the forms of plant food, which they were guaranteed to contain, 1869 samples were analyzed for Nitrogen, Total, Available and Insoluble Phosphoric Acid and Water Soluble Potash. They included six classes and represented 746 different brands or grades, registered for 1924 by 75 Manufacturing and Importing firms, which, together with the number of brands and samples in each class, were as follows:

	<i>Brands</i>	<i>Samples</i>
Complete Fertilizers,	467	1167
Nitrogen and Phosphoric Acid Fertilizers,	6	7
Ground Bone Fertilizers,	25	53
Acidulated Phosphate Fertilizers,	77	311
Rock and Potash Fertilizers,	82	187
Miscellaneous Fertilizers,	89	144
Total,	746	1869

Conclusions

Of the total number of official samples analyzed, 304, or 16.3 per cent., failed to the extent of .20 per cent, or more, to meet their guarantees in one or more of forms of plant food, thereby being considered deficient. The deficiencies found in the fertilizers selected

during the preceding Spring and Fall seasons of 1923 were 20.1 and 19.8 per cent. respectively. The considerably smaller proportion of deficiencies in the samples obtained for examination during 1924 shows a decided improvement in their compositions compared with those reported for 1923 but the proportion is greater than observed during 1921 and 1922.

More than one-half of the samples received were Complete Fertilizers, supplying nitrogen, phosphoric acid and potash, and 225, or 19.3 per cent., of this number fell under their guarantees in one or more elements of plant food. There were of this class more than one-half, or 646 samples, representing 279 brands, which contained 14 per cent. or more of total plant food, being classified as high analysis or high grade brands. This group also included 69 different grades or formulas, which, together, averaged in composition 2.15 per cent. nitrogen, 9.21 per cent. available phosphoric acid and 6.29 per cent. water soluble potash, the average retail selling price being \$33.70 a ton. The 30 low grade mixtures included 521 samples and 188 brands and averaged 1.22 per cent. nitrogen, 8.52 per cent. available phosphoric acid and 3.16 per cent. water soluble potash. The retail values averaged \$26.51 a ton. The high grade brands, therefore, contained 17.65 per cent. total plant food and the low grade mixtures averaged a total of 12.90 per cent. plant food. On the basis of the respective average retail selling prices, each unit of plant food in the high grade mixtures averaged \$1.91 and in low grade brands \$2.06 a unit, showing that the consumers who purchased the low grade brands paid more money for the units supplied in the case of these fertilizers. In the high grade brands the potash was in the form of muriate in 615 samples, as sulphate in 3 samples and 28 supplied it in both forms. There were 16 samples having the word "tobacco" as a part of their brand names, designed for tobacco fertilization, and 6 contained muriate of potash, 2 sulphate of potash and in 8 samples the potash was found in both forms. In those mixtures containing less than 14 per cent. total plant food 511 samples supplied muriate of potash and in 10 both muriate and sulphate of potash were noted. Those brands of this group which had the word "tobacco" in the brand name included 7 samples and 3 supplied muriate of potash and 4 both sulphate and muriate of potash.

There were only 7 samples representing 6 brands of nitrogen and Phosphoric Acid Fertilizers, which, with one exception, contained less than 14 per cent. of total plant food, and 3 of these samples failed to meet their guarantees in available phosphoric acid, being a high proportion of deficiencies of this class. They averaged 1.46 per cent. nitrogen and 10.50 per cent. available phosphoric acid. The retail selling prices averaged \$25.60 a ton.

Ground Bone Fertilizers were represented by 53 samples and 25 brands, 4 of which were deficient in nitrogen and 9 in total phosphoric acid. One-fourth of them were deficient, 4 containing less nitrogen and 9 less total phosphoric acid than guaranteed. They averaged 3.37 per cent. nitrogen, and 23.77 per cent. total phosphoric acid and retailed at \$49.26 a ton. The average results of mechanical analysis for fineness showed that 65 per cent. of the material averaged "fine" and 35 per cent. "coarse."

The 311 samples of Acid Phosphate, representing 77 different kinds or brands, averaged 16.49 per cent. available, 17.43 per cent. total and .94 per cent. insoluble phosphoric acid. The average retail selling price was \$17.44 a ton. Thirteen of the samples were deficient in available phosphoric acid. Most of these fertilizers, 266 samples, contained more than 14 per cent. of available phosphoric acid and averaged 17.04 per cent., retailing at from \$12.50 to \$28.00, averaging \$17.50 a ton. The remaining samples, containing less than 14 per cent., averaged 13.21 per cent. available phosphoric acid and retailed at from \$14.50 to \$21.00, averaging \$17.11 a ton. It will be noted from these figures that the consumers who purchased the higher analysis brands got more phosphoric acid for their money, because, judging from these average figures, each unit cost \$1.03, whereas in those Acid Phosphates having the lower guarantees, the average unit value was \$1.30.

The Rock and Potash Fertilizers included 187 samples and 82 brands. Those supplying more than a total of 14 per cent. available phosphoric acid and potash numbered 144 samples, being classed as high analysis brands, and 43 contained less than this total amount of plant food. They averaged 12.00 per cent. total, 11.32 per cent. available and .68 per cent. insoluble phosphoric acid and 54.1 per cent. water soluble potash. With the exception of 4 samples containing carbonate of potash the potash supplied was present in the form of muriate. Twenty-nine, or 15.5 per cent., of the samples fell below their guarantees, 15 being deficient in available phosphoric acid and 14 in potash. The average retail selling price was \$24.59 a ton.

The fertilizers classified as Miscellaneous numbered 144 samples and represented 89 different brands and kinds of materials, which, together with the number of samples in each with their average compositions and retail selling prices, were as follows: 42 of Nitrate of Soda, averaging 15.63 per cent. nitrogen and \$69.93 a ton; 11 of Sulphate of Ammonia, averaging 21.59 per cent. nitrogen and \$73.75 a ton; 2 of Dried Blood, averaging 13.01 per cent. nitrogen and \$85.00 a ton; 2 of Dried Fish, averaging 9.46 per cent. nitrogen and \$70.00 a ton; 19 of Tankage, averaging 12.36 per cent. total phosphoric acid and \$44.94 a ton; 6 of Kainit, averaging 14.47 per cent. potash and \$17.58 a ton; 5 of Manure Salt, averaging 22.55 per cent

potash and \$20.30 a ton; 46 of Muriate of Potash, averaging 50.69 per cent. potash and \$48.96 a ton; 1 of Sulphate of Potash, containing 49.83 per cent. of potash, and 10 miscellaneous, unclassified fertilizers. There were 21, or 14.6 per cent., of the samples of this class, which failed to meet their guarantees.

The average retail selling prices of each class of fertilizers, not including miscellaneous materials, compared with the average values reported for the Spring and Fall inspections of 1923, show no marked differences with the possible exception of the Nitrogen and Phosphoric Acid Fertilizers, which averaged \$25.60 a ton, compared with \$29.42 and \$29.93 for the respective Spring and Fall 1923 brands. The averages of \$49.26 a ton for Ground Bones and \$17.44 a ton for Acid Phosphates were slightly lower than the averages for these two classes noted for the preceding year's inspections. The unit value of available phosphoric acid, as supplied by the Acid Phosphates, showed an average of \$1.06, compared with the estimated averages of \$1.11 a unit for the Acid Phosphates received during the Fall and \$1.18 for those reported for the Spring of 1923. An approximate estimation of the average unit values for the three plant foods, as supplied by the mixed fertilizers, gave the following retail values: \$5.80 a unit for nitrogen as ammonia, \$1.45 for available phosphoric acid and \$1.16 for water soluble potash.

Acknowledgments

Mr. V. B. Hausknecht, First Assistant Chemist, had charge of the immediate supervision of the analytical work, including reception and preparation of samples and making duplicate check analyses where required. The microscopical examinations were made by H. E. Gensler, Assistant Chemist-Microanalyst, and the following Assistant Chemists performed the chemical analyses: G. J. Kuhlman, Jr., F. B. Williams, Claude R. Engle and Harold Y. Fisher. The compilation and preparation of the Tables and assembling the necessary data for this report was performed by W. E. Huber, Bookkeeper. Samples were prepared for analysis by W. W. Cassel, Laboratory Assistant.

Fertilizer Law Amended

The Fertilizer Law, under which the work is being conducted by the Bureau, the Act of May 1st, 1909, which supplemented previous fertilizer legislation, was amended May 29th, 1917, by stating more

specifically the information required to be printed upon sacks or attached cards and by revising the amount of registration fees required to be paid. This Act was further amended by the 1925 session of the Legislature, as approved by the Governor April 2nd, 1925, by adding to Section 7, which defines "Commercial Fertilizers," a further definition to the effect that no mixed fertilizers composed of two or more ingredients may be sold in Pennsylvania, which contain less than a total of 14 per cent. of plant food, namely, nitrogen as ammonia, available phosphoric acid or water soluble potash, and that no guarantees for either one or all of these plant foods shall be less than 1 per cent. for each. It also prohibits the use in all classes of commercial fertilizers of guarantees for amounts less than 1 per cent. of any plant food, which they may contain. In addition to this all those brands of fertilizers having the word "tobacco" as a part of the brand name are prohibited from containing Muriate of Potash, Manure Salts, Kainit or other Commercial Potash Salts combined with chlorine or as chloride of potash. This amendment is designed to prohibit the sale of those low grade mixed fertilizers which contain unnecessary large amounts of filler, heretofore comprising approximately 50 per cent. total tonnage of this class of materials, thereby reducing the number of brands of mixed fertilizers, which will be disposed of and which at the same time will afford those desiring to purchase fertilizers for tobacco use alone, the assurance that such special brands will not include potash in the form of chlorides, which form of potash is considered undesirable under certain conditions for tobacco fertilization. This amendment to the law will become effective January 1st, 1926, and, therefore, inasmuch as the law as amended should be available for those interested in the preparation and purchase of all commercial fertilizers, it is included in this report, together with the Bone Law, as follows:

Pennsylvania Fertilizer Law

Act of May 1, 1909, As Amended May 29, 1917 and April 2, 1925.

Sale of fertilizers.

Brand.

Statement.

Percentages of contents.

Filing of statement.

Section 1. Be it enacted, &c., That all corporations, associations, partnerships, or persons, before selling or offering for sale any commercial fertilizer in the Commonwealth, except the dung of domestic animals, lime, marl, and wood ashes, shall brand or attach to each bag, barrel, or package in a conspicuous place on the outside thereof, a plainly printed statement giving the following particulars and no others:—

(1) The number of pounds of fertilizer contained in the package.

(2) The name, brand, or trade-mark under which the fertilizer is sold.

(3) The name and principal address of the manufacturer, importer, or other person putting the fertilizer on the market in this Commonwealth.

(4) The minimum percentage of each of the following constituents which the fertilizer may contain: (a) Nitrogen; (b) nitrogen equivalent to ammonia; (c) total phosphoric acid; (d) available phosphoric acid; (e) potash soluble in distilled water. The potash may be claimed "derived from," or "equivalent to," sulphate of potash, if there is not a sufficient amount of chlorine present to unite with one-half ($\frac{1}{2}$) of one per centum (1%) of actual potash (K_2O). In the case of undissolved bone, tankage, phosphate rock, and similar materials in their natural and untreated conditions, when sold unmixed with other substances, the minimum percentage of the total phosphoric acid therein may be stated, instead of the percentage of total and available phosphoric acid. But, in the case of basic phosphatic slag, the available phosphoric acid shall be stated on the basis of the results of an analysis by the Wagner method, so-called, until such time as the Association of Official Agricultural Chemists of North America shall adopt an official method of analysis for basic slag, after which the available phosphoric acid shall be stated on the basis of an analysis by the method of said association.

Section 2. Every manufacturer or importer of commercial fertilizers, as specified in section one of this act, shall, on or before the first day of January of each year, or before offering them for sale in this Commonwealth, file annually with the Secretary of Agriculture a statement of the names and number of brands of such commercial fertilizers, having distinct trade-names, that he shall offer for sale during the next ensuing year, and a copy of the analysis of each one of such brands of commercial fertilizers, as required by section one of this act.

Section 3. In addition to the statement required by section two of this act, every manufacturer or importer of commercial fertilizers shall, on or before the first day of January of each year, or before offering them for sale in this Commonwealth, file annually with the Secretary of Agriculture an affidavit showing the amount of each brand of fertilizer, having a distinct trade-name, sold within the Commonwealth during the last preceding year; and if the said amount shall be one hundred and fifty tons or less, he or they shall pay or cause to be paid to the Secretary of Agriculture the sum of fifteen dollars for each and every brand of such commercial fertilizer, having a distinct trade-name, sold within the State during the last preceding year; and if the said amount shall exceed one hundred and fifty tons, and be not more than two hundred and fifty tons, he or they shall pay the sum of twenty dollars, as aforesaid; if the said amount shall exceed two hundred and fifty tons, and not more than four hundred tons, he or they shall pay the sum of thirty dollars; if the amount shall exceed four hundred tons, and not more than five hundred tons, he or they shall pay forty dollars; and if the amount shall exceed five hundred tons, he or they shall pay fifty dollars. If such manufacturer or manufacturers, importer or importers, shall not have made any sales within the Commonwealth during the preceding year, he or they shall pay the sum of fifteen dollars upon each such brand, as aforesaid: Provided, That all moneys so received shall be immediately paid by the Secretary of Agriculture into the State Treasury for the use of the Commonwealth.

Filing of affidavit.

Sums to be paid yearly.

Proviso.

Section 4. No person shall sell, offer, or expose for sale, in this State, any pulverized leather, hair, ground hoofs, horns, or wall waste, raw, steamed, roasted, or in any form, as a fertilizer, or as an ingredient of a fertilizer or manure, without an explicit statement of the fact; said statement to be conspicuously affixed to every package of such fertilizer or manure, and to accompany and go with every lot, parcel, or package of the same.

Prohibited articles.

Section 5. Any person or persons selling, offering, or exposing for sale, any commercial fertilizer or any brand of the same, having a distinct trade-name, without the analysis required by section one of this act, or with an analysis stating that it contains a larger percentage of any one or more of the above-named constituents than is contained therein, or for the sale of which all the provisions of sections two and three have not been complied with, or any person violating any of the provisions of section four of this act, shall be guilty of a misdemeanor, and, on conviction, shall be sentenced to pay a fine of not less than twenty-five nor more than one hundred dollars for the first

Violations.

Misdemeanor.

Fines.

offense, and not less than two hundred dollars for each subsequent offense. It shall be the duty of the Secretary of Agriculture to enforce the provisions of this act, and all penalties, cost and fines recovered shall be paid to him or his duly authorized agent, and by him shall be immediately paid into the State Treasury, for the use of the Commonwealth.

Samples and analysis.

Inspection.

"Commercial fertilizer" defined.

Section 6. The Secretary of Agriculture is hereby empowered to collect samples of commerical fertilizers, either in person or by his duly qualified agent or representative, and to have them analyzed, and to publish the results for the information of the public; and for this purpose the said Secretary of Agriculture, such assistants, agents, experts, chemists, detectives, and counsel as he shall duly authorize, shall have full access, ingress, and egress to and from all places of business, factories, barns, buildings, carriages, cars, and vessels, used in the manufacture and transportation, or sale, of any commerical fertilizer. They shall also have power to open any package or vessel containing or supposed to contain any commercial fertilizer, and take therefrom samples for analysis, upon tendering the value of said samples.

Section 7. The term "commercial fertilizers," as used in this act, shall be construed to mean any and every substance imported, manufactured, prepared, or sold for fertilizing or manuring purposes, except the dung of domestic animals, marl, lime, and wood-ashes, and not exempt by the provisions of section one of this act. No commerical fertilizer containing less than one per centum of ammonia or one per centum of available phosphoric acid (P_2O_5) or one per centum water soluble potash (K_2O) nor any mixed fertilizer or mixture composed of two or more ingredients containing less than fourteen per centum of total plant food, namely, not less than one per centum of ammonia or one per centum of available phosphoric acid (P_2O_5) or one per centum of water soluble potash (K_2O) shall be sold, offered for sale or exposed for sale in this Commonwealth. No commerical fertilizer having the word "tobacco" as part of its brand or trade name shall contain muriate of potash, manure salts, kainit or any other commerical potash combined with chlorine as chloride of potash.

This amendment shall take effect and be in force January first, one thousand nine hundred and twenty-six.

Bone Law

(Act of April 23, 1909)

Section 1. Be it enacted, &c., That it shall be unlawful for any person, firm, or corporation, engaged in the manufacture or sale of commercial fertilizers, to use the word "bone" in connection with, or as part of the name of any fertilizer, or any brand of the same, unless the phosphoric acid contained in such fertilizer shall be the product of pure animal bone.

Commercial fertilizers.

Use of the word "bone."

Section 2. Any person or persons violating the provisions of this act shall be deemed guilty of a misdemeanor, and, upon conviction thereof, shall pay a fine of fifty dollars for the first offense, and a fine of not less than one hundred dollars, nor more than two hundred dollars, for every subsequent offense; such fine or fines to be paid into the State Treasury, for the use of the Commonwealth. The Secretary of Agriculture shall, together with his deputies, agents, and assistants, be charged with the enforcement of this act.

Misdemeanor.

Fine.

Section 3. All magistrates, alderman, and justices of the peace throughout this Commonwealth shall have jurisdiction to hear and determine actions arising from violations of the provisions of this act, and shall have authority to hold for court, or to impose the penalties hereby prescribed, subject to appeal, as the law shall direct.

Jurisdiction of aldermen and justices of the peace.

Section 4. This act shall go into effect on the first day of January, Anno Domini nineteen hundred and ten.

Repeal.

Fertilizer Registrations for 1925

The Fertilizers registered for the calendar year 1925, prior to April 1st, numbered 1028 brands, which were submitted by 106 Manufacturing and Importing firms. Of this number 759 brands were Mixed Fertilizers. Of these 527, or about two-thirds of the brands, were guaranteed to contain 14 per cent. or more total plant food, namely, nitrogen as ammonia, available phosphoric acid or water soluble potash. The mixed goods, which were guaranteed to contain less than 14 per cent. of total plant food, numbered 232 brands. The balance of the 269 brands, included in the above registrations, included organic and inorganic ammoniates, Acid Phosphates and Potash Salts.

As the Law requires tonnage sales of all fertilizers, made during the year preceding that for which registration is effected, to be reported, as registration fees are in part based on tonnage sales, the 1925 registrations received up to April 1st showed that a total of 500,234 tons of all classes of fertilizers were disposed of during 1924. Of this amount 106,399 tons consisted of organic and inorganic ammoniates, Acid Phosphates and Potash Salts, the remaining 193,835 tons being Mixed Fertilizers of which 115,476 tons were guaranteed to contain 14 per cent. or more and 78,359 tons guaranteed to contain less than 14 per cent. of total plant food, nitrogen as ammonia, available phosphoric acid and water soluble potash.

It will be noted that of the above brands registered for 1925, more than two-thirds of the mixed materials were high analysis grades and of the tonnage amounts reported as being sold during 1924 more than one-half of the amount consisted of high grade mixtures or those containing 14 per cent. or more total plant food. These figures are obviously incomplete because the total brands registered for 1925 will not have been all received and consequently the total tonnage reports for the preceding year, 1924, cannot be compiled until January 1st, 1926. This may be illustrated by the fact that prior to April 1st, for 1925, 1028 brands were registered, compared with 1099 brands registered for the preceding year, 1924, prior to April 1st, 1924, and of 1376 total brands registered for 1924. The total brands registered for 1923 numbered 1567 and for 1922, 1717. These figures will show a tendency to a reduction in the number of brands of fertilizers registered, due in part, as shown by our records, of a reduction in the number of firms submitting applications for registrations. The Manufacturers, Jobbers and Importers, together with the brands of materials they registered for 1925, prior to April 1st, are as follows:

BRANDS OF FERTILIZERS REGISTERED FOR 1925 PRIOR TO
APRIL 1, 1925.

ABBOTT PACKING CO., CARNEGIE, PA.

Slaughter House Tankage

ALBA MARL LIME CO., CHARLES TOWN, W. VA.

Marl Lime and Potash

Marl Lime and Phosphate

THE ALLENTOWN MANUFACTURING CO., ALLENTOWN, PA.

Truck and Garden Phosphate

High Grade Potato Phosphate

Complete Phosphate

Quick Return Phosphate

Phosphate and Potash

Acid Phosphate

THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW
YORK, N. Y.

16% Acid Phosphate
 Great Crop Grower
 Three Star Phosphate and Potash
 XXX Phosphate and Potash
 Crown Phosphate and Potash
 Victory Phosphate and Potash
 Ammoniated Fertilizer AA
 Acme Fish Mixture
 Dead Shot Phosphate
 Old Hickory
 Wheat, Oats and Barley
 Cecrops Harvest Queen
 Zell's Economizer Phosphate
 Complete Compound
 Canton Chemical Baker's Special Wheat, Corn and Grass Mixture
 The Pathfinder
 Zell's Hustler Phosphate
 General Crop Fertilizer
 Matchless Potash Manure
 Detrick's Kangaroo Komplete Kom pound
 Red Dog Guano
 Peerless Vegetable and Grain Grower
 High Grade Potash Compound
 Special Potash Manure
 Red Dragon Guano
 Wheat Special
 Agrico Fertilizer for Grain
 Double Strength Guano
 General Truck Fertilizer
 Bowker's Lawn and Garden Dressing
 Special Complete Manure
 Climax Phosphate
 Agrico Fertilizer for Corn
 Lanco Hi-Grade for Tobacco with Sulphate of Potash
 Monarch Potato Manure
 Complete Manure with 6% Potash
 Agrico Fertilizer for Potatoes
 Garden Spot Early Trucker
 Agrico Fertilizer for Truck
 Grass Top Dresser
 Basic Lime Phosphate
 Fine Gound Bone
 Pure Raw Bone

THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW
York, N. Y.—Continued.

Muriate of Potash
 Sulphate of Potash
 Kainit
 Nitrate of Soda
 Ground Tankage
 Wrapper Leaf Tobacco Manure
 Listers Lime Phosphate
 Samson Potato and Truck Manure No. 2
 Royal Crop Grower
 Keystone Grape Special Fertilizer
 Grape Growers' Special Manure
 Bradley's Circle Phosphate
 Bradley's New Method Fertilizer
 Bradley's B. D. Guano
 Bradley's Niagara Phosphate
 Bradley's Unicorn
 Bradley's Special Weymouth Fertilizer
 Bradley's Weymouth Staple Phosphate
 Bradley's Potato and Vegetable Fertilizer
 Crocker's Universal Grain Grower
 Crocker's Complete Manure
 Listers High Grade Acid Phosphate
 Listers Potash Mixture
 Listers Atlas Brand Alkaline Fertilizer
 Listers Squirrel Brand Fertilizer
 Listers G Brand
 Listers Harvest Queen Phosphate
 Listers Plant Food
 Listers Success Fertilizer
 Listers Corn and Wheat Fertilizer
 Listers Crop Grower
 Listers 10% Potash Fertilizer
 Listers Triumph Guano
 Listers Standard Guano
 Listers Perfect Potato Manure
 Listers Jersey Potato Fertilizer
 Michigan Carbon Works' Homestead Fertilizer
 Patapsco High Grade Acid Phosphate
 Patapsco Money Maker
 Patapsco Grain and Grass Producer
 Patapsco Coon Brand Guano
 Patapsco Big Chief Brand with Potash
 Patapsco Planters' Favorite
 Patapsco Lime Phosphate—Crow Brand

THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW
York, N. Y.—Continued.

Pollock's Corn and Oats Special
Pollock's Special Wheat and Corn Fertilizer
Pollock's Crop Invigorator
Pollock's Bull's Eye Guano
Schaal-Sheldon Soluble Phosphate
Schaal-Sheldon Farmers' Favorite
Schaal-Sheldon Guano
Schaal's Corn and Potato
Tygert's Golden Harvest Phosphate
Tygert's Neptune Fish Compound
Tygert's Star Brand Phosphate
Tygert's High Grade Special Fertilizer
Tygert's Potato Fertilizer
Tygert's Potato Guano with 6% Potash
Wooldridge's Farmers' Favorite Cereal Compound
Wooldridge's General Crop Grower
Wooldridge's Clover Blossom

AMERICAN CHEMICAL SPECIALTIES CO., INC., SPRING-
FIELD, N. J.

Springfield Carnation Food
Springfield Rose Food
Garden Brand Bone Meal

AMERICAN FERTILIZING COMPANY, BALTIMORE, MD.

American High Grade Acid Phosphate
American Phospho Tobacco
American 20% Acid Phosphate
American Double Dissolved Phosphate and Potash
American Wizard Phosphate and Potash
American Ammoniated Crop Compound
American Champion Grain Grower
American Eagle Crop Grower
American Gilt Edge Guano
American Fish and Potash Compound
American Excelsior Guano
American Prize Guano
Bob White Manure Compound
American Premium Grain and Clover Mixture
American Panacea Guano
American Vegetable Special
American Eagle Guano
American Pelican Crop Grower
American Truckers' Special

AMERICAN TRONA CORPORATION, NEW YORK, N. Y.

Kemfert Potash

ARMOUR FERTILIZER WORKS, BALTIMORE, MD.

Big Crop 4-12-4 Fertilizer
 Big Crop 4-8-4 Fertilizer
 Big Crop 3-8-6 Fertilizer
 Big Crop 3-8-3 Fertilizer
 Big Crop 2-16-2 Fertilizer
 Big Crop 2-12-4 Fertilizer
 Big Crop 2-8-10 Fertilizer
 Big Crop 2-8-5 Fertilizer
 Big Crop Special Mixture
 Big Crop 0-12-6 Fertilizer
 Big Crop 0-12-5 Fertilizer
 Big Crop Acid Phosphate 20%
 Big Crop Acid Phosphate 17%
 Big Crop Acid Phosphate 16%
 Tobacco Special
 Gold Medal for Tobacco
 Fish and Potash Mixture
 Grain Grower
 Farmer's Choice
 Royal Ammoniated
 Lime Phosphate
 Big Crop Raw Bone Meal
 Big Crop Bone Meal
 Big Crop Nitrate of Soda
 Big Crop Muriate of Potash
 Ground Animal Tankage
 Kainit
 Big Crop 2-12-2 Fertilizer
 Big Crop 2-8-4 Fertilizer
 Big Crop 3-12-4 Fertilizer
 Big Crop Grape Grower
 Big Crop 0-12-4 Fertilizer
 Big Crop 4-8-7 Fertilizer
 Big Crop 0-10-10 Fertilizer
 Big Crop 20% Superphosphate
 Big Crop Bone Meal 3-27
 Big Crop 4-16-4 Fertilizer
 Big Crop Tomato Grower

ARMOUR FERTILIZER WORKS, NEW YORK, N. Y.

Tuscarora Brand Acid Phosphate
 Tuscarora Brand Standard
 Tuscarora Brand Fish and Potash Mixture
 Tuscarora Brand Potato and Truck Guano
 Tuscarora Brand Fruit and Root Crop Special
 Tuscarora Brand Potato and Trucker
 Tuscarora Brand High Grade Potato
 Tuscarora Brand Grain and Clover
 Tuscarora Brand Special Truck Guano

THE BARRETT COMPANY, NEW YORK, N. Y.

Arcadian Sulphate of Ammonia

BAUGH & SONS COMPANY, PHILADELPHIA, PA.

Baugh's Raw Bone Meal—Warranted Pure
 Baugh's 3 and 50 Bone Meal
 Baugh's Pure Bone and Muriate Potash Mixture
 Baugh's Half and Half Mixture with Potash
 Baugh's General Crop Grower
 Baugh's Excelsior Guano
 Baugh's Animal Base and Potash Compound
 Baugh's Fish Mixture
 Baugh's Balanced Plant Food
 Baugh's Corn and Oats Fertilizer
 Baugh's The Old Stand-By: Dissolved Animal Base
 Baugh's Double Eagle Phosphate
 Baugh's Complete Animal Base Fertilizer
 Baugh's Special Potato Manure
 Baugh's Commercial Super Phosphate
 Baugh's Domestic Brand for All Crops
 Baugh's Grand Rapid Guano
 Baugh's Wrapper Leaf Brand
 Baugh's Fish, Bone and Potash
 Baugh's Potato and Truck Special
 Baugh's Peruvian Guano Substitute
 Baugh's Phosphate and Potash Mixture
 Baugh's 16% Acid Phosphate
 Baugh's Special Tobacco Manure
 Baugh's Lime and Phosphate
 Baugh's 8 and 10 Phosphate and Potash Mixture
 Nitrate Soda
 High Grade Tankage
 Muriate Potash
 Genuine Imported Kainit
 Sulphate Ammonia

THE BERG COMPANY, PHILADELPHIA, PA.

Ground Animal Tankage 5½%
 Ground Animal Tankage 9%
 Berg's Three and Fifty Bone
 Berg's Ground Raw Bone

BONE DRY LIME CORPORATION, FREDONIA, N. Y.

Natures Own Plant Food

BOWKER FERTILIZER COMPANY, NEW YORK, N. Y.

Bowker's 16% Acid Phosphate
 Bowker's Boss Potash Fertilizer
 Bowker's Ten and Eight
 Bowker's Sure Crop Phosphate
 Bowker's Corn and Grain Grower
 Bowker's Square Brand Farm and Garden Phosphate
 Bowker's Corn and Wheat Guano
 Bowker's Special Crop Grower
 Stockbridge Market Garden Manure
 Stockbridge Truck Guano
 Bowker's Ammoniated Food for Flowers

LOUIS BURK, INC., PHILADELPHIA, PA.

Tankage

W. S. CAPLES & SON, JOHNSTOWN, PA.

Pure Fine Ground Bone Meal
 Standard Phosphate
 Corn and Potato Phosphate
 Animal Tankage
 Acid Phosphate

THE CENTRAL CHEMICAL COMPANY, HAGERSTOWN, MD.

Gro-All Dissolved Phosphate
 Gro-All Grain and Grass Grower
 Gro-All Imperial
 Gro-All Pioneer
 Gro-All Potash Special
 Gro-All Golden Sheaf
 Gro-All Planters Mixture
 Gro-All Crown Jewel
 Gro-All Valley Mixture
 Gro-All Excelsior
 Gro-All Super-Fish
 Gro-All Potato Special

CLAY AND SON, STRATFORD, LONDON, ENGLAND

Clay's Fertilizer

THE COE MORTIMER CO., INC., NEW YORK, N. Y.

- E. Frank Coe's 16% Superphosphate
- E. Frank Coe's Ten and Eight
- E. Frank Coe's New Englander Special
- E. Frank Coe's Western New Yorker
- E. Frank Coe's XXV Ammoniated Phosphate
- E. Frank Coe's Columbian Corn and Potato Fertilizer
- E. Frank Coe's Extra Potash Fertilizer
- E. Frank Coe's Reliable Compound
- E. Frank Coe's Gold Brand Excelsior Guano
- E. Frank Coe's Complete Manure with 6% Potash

CONESTOGA BY-PRODUCTS CO., LANCASTER, PA.

- Insectilizer
- Green Life
- C. B. P. Brand Pulverized Tobacco Powder

THE CONSUMERS CHEMICAL CORPORATION, NEW YORK,
N. Y.

- Acid Phosphate²
- Samson Brand
- Alkaline Phosphate
- Model Brand
- Majestic Brand
- Sterling Brand
- Old Hickory Brand
- Little Prince Brand
- Commander Brand
- Victor Brand
- Capital Brand
- Bonanza Brand
- Great Gardener Brand
- Truckers' Pride Brand
- Buckeye Brand
- Big Helper Brand

COOPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.

- G. L. F. Acid Phosphate 16%
- G. L. F. Nitrate of Soda
- G. L. F. Sulphate of Ammonia
- G. L. F. Muriate of Potash
- G. L. F. High Grade Animal Tankage 9-20
- G. L. F. Ground Animal Tankage 6-30
- G. L. F. Steamed Bone Meal 3-50
- G. L. F. Raw Bone Meal 4½-47
- G. L. F. Fertilizer 5-10-5

COOPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N.

Y.—Continued.

G. L. F. Fertilizer 4-8-10

G. L. F. Fertilizer 4-12-4

G. L. F. Fertilizer, 4-8-4

G. L. F. Fertilizer 2-8-10

G. L. F. Fertilizer 2-8-7

G. L. F. Fertilizer 3-12-3

G. L. F. Fertilizer 2-12-4

G. L. F. Fertilizer 2-12-2

G. L. F. Fertilizer 0-12-5

HENRY J. DANZER, LEHIGHTON, PA.

Bone Meal

JACOB DOLD PACKING CO., BUFFALO, N. Y.

Dold Quality Bone Meal

HENRY A. DREER, INC., PHILADELPHIA, PA.

Dreer's Peerless Plant Food

EARP-THOMAS CULTURES CORPORATION, LONG ISLAND CITY, N. Y.

Stim-U-Plant

AMOS EBY & CO., LEAMAN PLACE, PA.

Pequea High Grade

Pequea Special Potato

Pequea Valley Fertilizer

Pequea Economy

Pequea Ammoniated

Pequea Crop Grower

Farmers Mixture

16% Acid Phosphate

THE ERIE REDUCTION COMPANY, ERIE, PA.

Acidulated Fish Special

Erie Corn and Oat Special

General Crop Special

Erie Potato and Truck Special

THE F. & I. TOBACCO PRODUCTS CO., LANCASTER, PA.

Golf Green

F. & I.

THE FARMERS FERTILIZER AND FEED CO., WESTMINSTER, MD.

XX Phosphate 1-9-3

XX Phosphate 2-8-5

Acid Phosphate 0-16-0

FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.

Pride of Donegal
 Farmers Favorite
 Special Compound
 Farmers Best Yet
 Farmers Phosphate and Potash
 Acid Phosphate
 Grain and Grass Special
 Special Potato, Tobacco and Truck Manure
 Farmers Club
 Farmers I. X. L.
 Farmers Top Dressing
 Farmers Tobacco Special
 Nitrate Soda
 Muriate of Potash
 Donegal Plant Food
 Farmers Bone Meal

FLOWER CITY PLANT FOOD CO., INC., ROCHESTER, N. Y.

Walker's Excelsior Plant Food

W. C. FOLLMER, BENTON, PA.

Animal Base and Potash Phosphate
 Corn.Potato and Oats Phosphate
 New Process Lime Phosphate

FORD MOTOR COMPANY, DETROIT, MICH.

Ford Ammonium Sulphate

FOUR SEASONS FERTILIZER CO., INC., NEW YORK, N. Y.

4 Seasons Fertilizer

JOSEPH R. GAWTHROP, KENNETT SQUARE, PA.

Special Potato Phosphate
 Ammoniated Special Phosphate for Corn, Oats and Wheat
 Champion Fertilizer for Wheat and Grass

CHARLES A. GREEN & SON, INC., PHILADELPHIA, PA.

Bone Meal

GRIFFITH & BOYD CO., BALTIMORE, MD.

Griffith & Boyd Co.'s Tobacco and Vegetable Grower
 Griffith & Boyd Co.'s Special Formula
 Griffith & Boyd Co.'s Standard Guano
 Griffith & Boyd Co.'s Special Guano
 Griffith & Boyd Co.'s General Crop Grower
 Griffith & Boyd Co.'s Farmers Potato Manure
 Griffith & Boyd Co.'s Fish and Potash Guano
 Griffith & Boyd Co.'s Fish, Blood and Potash

GRIFFITH & BOYD CO., BALTIMORE, MD.—Continued.

Griffith & Boyd Co.'s Farmers Queen
 Griffith & Boyd Co.'s Royal Potash Guano
 Griffith & Boyd Co.'s Cereal Plant Food
 Griffith & Boyd Co.'s Peerless Fertilizer
 Griffith & Boyd Co.'s Economizer
 Griffith & Boyd Co.'s Pure Fine Ground Bone Meal
 Griffith & Boyd Co.'s Lime Phosphate
 Griffith & Boyd Co.'s High Grade Fish and Potash Mixture
 Griffith & Boyd Co.'s Spring Crop Grower
 Griffith & Boyd Co.'s High Grade 16% Acid Phosphate
 Griffith & Boyd Co.'s Special Grain Grower
 Griffith & Boyd Co.'s XX Potash Manure
 Griffith & Boyd Co.'s Nitro Crop Feeder
 Griffith & Boyd Co.'s Gilt Edge Crop Guano
 Griffith & Boyd Co.'s Monarch Brand
 Griffith & Boyd Co.'s Special Potato Guano
 Nitrate of Soda
 Muriate of Potash
 Kainit
 Griffith & Boyd Co.'s Valley Fertilizer
 Griffith & Boyd Co.'s Reliable Crop Grower
 Griffith & Boyd Co.'s Special Peerless Guano
 Griffith & Boyd Co.'s Growers Favorite

HAFLEIGH & COMPANY, PHILADELPHIA, PA.

Pure Raw Bone Meal

HAIBACH BROTHERS, ERIE, PA.

Tankage

HARRISBURG RENDERING & HIDE CO., ALTOONA, PA.

Pure Bone and Meat Fertilizer Unground Tankage

S. M. HESS & BROTHER, INC., NEW YORK, N. Y.

Special High Grade Acid Phosphate
 Standard Alkaline
 Best Phosphate and Potash Mixture
 Wheat, Corn and Grass Manure
 Special Compound
 Keystone Phosphate
 Crop Grower
 Superior Potash Mixture
 Special Potato Manure

JACOB HOFFMAN, RAUBSVILLE, PA.

Hoffman's Potato and Truck
 Hoffman's Special

THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.

Hubbard's Jersey Trucker
 Hubbard's Money Maker Fertilizer
 Hubbard's Farmers I. X. L.
 Hubbard's 1-8-4 Fertilizer
 Hubbard's 12-5 Alkaline
 Hubbard's 16% Acid Phosphate
 Hubbard's 4-8-6 Fertilizer
 Hubbard's Noxall Guano
 Hubbard's Complete Fertilizer
 Pure Ground Raw Bone
 Hubbard's 3-8-6 Fertilizer
 Hubbard's High Grade Potash Mixture
 Bone Meal
 Hubbard's 1-9-3 Fertilizer
 Hubbard's Climax Phosphate
 Hubbard's 2-8-3 Fertilizer
 Muriate of Potash
 Nitrate of Soda
 Hubbard's 14-0-3 Top Dresser
 Hubbard's 5-8-5 Fertilizer
 Hubbard's Lime and Phosphate
 Animal Tankage 9%
 Hubbard's 2-10-6 Fertilizer
 Hubbard's Fish and Potash Mixture
 Hubbard's 18% Acid Phosphate

INDEPENDENT MANUFACTURING COMPANY, PHILADEL-
 PHIA, PA.

Independent's Wonder Worker
 Independent's Potato Grower
 Independent's Special Florists Bone Meal
 Independent's Pure Raw Bone
 Independent's Nitrate of Soda
 Independent's Three, Eight and Ten
 Independent's Pure Animal Tankage
 Independent's Matchless Market Gardner
 Independent's Special Corn Grower
 Independent's Two, Eight, Five

INTERNATIONAL AGRICULTURAL CORPORATION, BUFF-
 ALO, N. Y.

Buffalo Triumph
 Buffalo Supreme
 Buffalo Crop Grower
 Buffalo Ideal

INTERNATIONAL AGRICULTURAL CORPORATION, BUFF-
ALO, N. Y.—Continued.

Buffalo Tip Top
Buffalo Sixteen Percent
I. A. C. Economy
I. A. C. Farmers Choice
I. A. C. Extra P. & P.
I. A. C. New Process
Nitrate of Soda
Muriate of Potash
Bone Meal

THE JARECKI CHEMICAL CO., SANDUSKY, OHIO.

Jarecki's 2-12-2 Fertilizer
Jarecki's 2-8-10 Fertilizer
Jarecki's 3-8-6 Fertilizer
Jarecki's 4-8-7 Fertilizer
Jarecki's 2-8-4 Fertilizer
Jarecki's 1-12-1 Lake Erie Fertilizer
Jarecki's 1-8-4 Fertilizer
Jarecki's 0-10-10 Fertilizer
Jarecki's 0-12-4 Fertilizer
Jarecki's 16% Acid Phosphate
Jarecki's Bone Meal
Jarecki's 4-12-4 Fertilizer
Jarecki's Potato and Trucker
Jarecki's 2-16-2 Fertilizer
Jarecki's 2-12-4 Fertilizer
Jarecki's High Grade Potato
Jarecki's Fish and Potash Mixture
Jarecki's Grain Grower
Jarecki's 0-12-6 Fertilizer
Jarecki's Raw Bone Meal
Jarecki's Nitrate of Soda
Jarecki's 4-16-4 Fertilizer

T. S. KENDERDINE & SON, NEWTON, PA.

Kenderdine's "B" Phosphate
Kenderdine's Potato Phosphate
Kenderdine's 4-8-6
Kenderdine's Ammoniated Phosphate

KEYSTONE BONE FERTILIZER CO., PHILADELPHIA, PA.

Keystone Blue Ribbon Potato Manure
 Keystone Mercer County Potato Special
 Keystone Corn and Cereal Grower
 Keystone Twentieth Century Special
 Keystone Ideal Potato and Tobacco Manure
 Keystone Vegetable Guano
 Keystone Royal Corn and Potato Manure Revised
 Keystone Superior Superphosphate and Potash
 Keystone Excelsior Wheat Grower
 Keystone General Manure
 Keystone Pure Ground Bone
 Keystone Nitrate of Soda 18%
 Keystone Acid Phosphate 16%
 Keystone Phosphate and 8% Potash
 Keystone Phosphate and 4% Potash
 Keystone Colonial Potato Manure

KEYSTONE GRANGE EXCHANGE, INC., HARRISBURG, PA.

Grangers Superior
 Grangers Choice
 Grangers Leader
 Grangers Prize
 Grangers Champion
 Grangers Climax
 Grangers Acid Phosphate
 Grangers Nitrate of Soda
 Grangers Tankage
 Grangers Muriate of Potash
 Grangers Sulphate of Ammonia
 Grangers Bone Meal

GEORGE LAMPARTER'S SONS, LANCASTER, PA.

Red Rose Bone Meal

LANCASTER BONE FERTILIZER CO., INC., LANCASTER, PA.

Conestoga Brand Truckers Success
 Conestoga Brand Potato and Vegetable Manure
 Conestoga Brand Fish Compound
 Conestoga Brand Harvest Queen
 Conestoga Brand Lancaster Peerless
 Conestoga Brand General Crop
 Conestoga Brand Special Guano
 Conestoga Brand Standard Potash Mixture
 Conestoga Brand High Grade Acid Phosphate

LANCASTER CHEMICAL COMPANY, LANCASTER, PA.

- No. 1 Tobacco and Vegetable
- No. 2 Dewey Brand
- No. 4 Rising Sun
- No. 5 Flag Brand
- No. 9 Bone Meal
- No. 12 Wheat Special
- No. 14 Wheat and Grass
- No. 16 Phosphoric Acid Special
- No. 18 Success Brand
- No. 19 Potato Special
- No. 20 Potash Special

LEBANON FERTILIZER WORKS, LEBANON, PA.

- Levan's Four Eight Six
- Levan's Three Ten Six
- Levan's Two Twelve Four
- Levan's Two Ten Six
- Levan's Two Eight Ten
- Levan's Two Eight Five
- Levan's Two Eight Two
- Levan's One Eight Two
- Levan's Naught Twelve Six
- Levan's Naught Ten Four
- Levan's Super-Phosphate
- Levan's Pure Fine Ground Bone Meal
- Levan's Animal Tankage
- Nitrate of Soda
- Muriate of Potash
- Sulphate of Potash
- Kainit
- Levan's One Eight Four

FRED E. LORD, ESPY., PA.

- Columbia County Spring Special
- Columbia County Potato Special
- Columbia County Fall Special
- Acid Phosphate
- Ground Bone
- Muriate of Potash
- Nitrate of Soda
- Tankage
- Sulphate of Ammonia
- Columbia County Garden Special
- Manure Salt
- Fish Meal

THE McCALLUM COMPANY, PITTSBURGH, PA.

Fertobac

THE MAPES FORMULA & PERUVIAN GUANO CO., NEW YORK,
N. Y.

The Mapes Potato Manure
The Mapes General Use Manure
The Mapes General Truck Manure
The Mapes Corn Manure
The Mapes Grain Brand
The Mapes Tobacco Starter Improved
The Mapes General Tobacco Manure
The Mapes Ammoniated Bone and Potash
The Mapes Wrapper Brand
The Mapes Connecticut Valley Special

HENRY F. MICHELL COMPANY, PHILADELPHIA, PA.

Bone Meal Michell's
Michell's High Grade Phosphate
Michell's All Crop Fertilizer
Michell's Potato Fertilizer
Michell's Odorless Grass Grower
Michell's Concentrated Plant Food

THE MILLER FERTILIZER COMPANY, BALTIMORE, MD.

Miller's Acid Phosphate
Miller's Grain Grower
Miller's Harvest Queen
Miller's 2-8-5
Miller's Ammoniated
Miller's Pimlico
Miller's 12-5
Miller's Farmers Profit
Miller's Standard Phosphate
Miller's No. 1 Potato and Vegetable Grower
Miller's 2-12-5
Nitrate of Soda
Muriate of Potash
Miller's Clermont
Miller's Club Brand
Miller's Clinch Phosphate
Miller's Wheat and Grass Grower
Miller's Lime and Phosphate
Miller's Hustler Phosphate
Miller's 8-5
Kainit

THE MILLER FERTILIZER COMPANY, BALTIMORE, MD.—Continued.

Tankage

Miller's Grain and Grass

Miller's Vegetable Compound

Miller's Perfect Leaf Tobacco

Bone Meal

Miller's 4% Alkaline

Miller's 4-8-10

MYERSTOWN FERTILIZER WORKS, MYERSTOWN PA

Grain and Grass Grower

Corn and Potato Grower

Farmers Special

Corn King

NITRATE AGENCIES CO., BALTIMORE, MD.

Naco Brand 0-12-5

Naco Brand 0-12-5 Equivalent

Naco Brand 2-8-2

Naco Brand 2-8-2 Equivalent

Naco Brand 2-8-5

Naco Brand 2-8-5 Equivalent

Naco Brand 2-12-2

Naco Brand 2-12-2 Equivalent

Naco Brand 2-12-4

Naco Brand 4-8-4

Naco Brand 5-8-5

Naco Brand 2-8-10 Equivalent

Naco Brand 2-8-10

Naco Brand Steam Bone

Naco Brand Acid Phosphate

Naco Brand Nitrate of Soda

Naco Brand Animal Tankage

Naco Brand Sulphate of Potash

Naco Brand Sulphate of Ammonia

Naco Brand Muriate Potash

Naco Brand 0-12-4

Naco Brand Equivalent 4-8-4

Naco Brand 5-10-5

Naco Brand Equivalent 3-8-8

Naco Brand Equivalent 1-8-4

Naco Brand Equivalent 0-10-4

G. OBER & SONS COMPANY, BALTIMORE, MD.

Ober's Standard Southern Vegetable Compound
 Ober's Super Wheat and Grain Grower
 Ober's Special Plant Food
 Ober's Swan E Fish Guano
 Ober's Special Tobacco Mixture
 Ober's Superior Potato and Vegetable Grower
 Ober's Golden Top Wheat and Corn Grower
 Ober's Standard Potash Compound
 Ober's High Grade Acid Phosphate
 Ober's Stag Guano
 Starkey Truck Compound
 Pure Bone Meal
 Nitrate of Soda
 Muriate of Potash
 Sulphate of Potash
 Ober's Bone Mixture
 Starkey Vegetable Compound
 Tankage
 Ober's Special Compound for Tobacco
 Ober's Farmers Standard
 Ober's Fruit and Vine Truck Guano
 Ober's Pennsylvania Tobacco Fertilizer
 Mixed to Order 10-4-0
 Mixed to Order 5-10-6

JOSEPH OBERT COMPANY, INC., LEHIGHTON, PA.

Obert's Tankage

THE OLD GARDENER COMPANY, PITTSBURGH, PA

Old Gardener High Grade Odorless

OXFORD PACKING WORKS, OXFORD, PA.

O. P. W. Special

O. P. W. No. 1

O. P. W. No. 2

O. P. W. 16% Acid Phosphate

SOLAN L. PARKES, READING, PA.

Parkes Tree and Plant Food

PATUXENT GUANO COMPANY, BALTIMORE, MD.

Patuxent Grain and Clover Producer

Beaver Brand Guano

Patuxent H. G. Acid Phosphate

Patuxent Tip Top Fertilizer

Patuxent Corn Grower

Patuxent Fish Guano

Patuxent Champion Fertilizer

Patuxent Lime Phosphate

PATUXENT GUANO COMPANY, BALTIMORE, MD.—Continued.

Patuxent 12 x 5 Mixture
 Patuxent H. G. Tobacco Fertilizer
 Patuxent Potato and Truck Guano
 Patuxent Guano
 Patuxent Farmers Friend
 Patuxent Big Yield
 Patuxent Plant Food
 Patuxent Early Trucker
 Patuxent Special Potato Guano

PENNSYLVANIA GUANO COMPANY, PHILADELPHIA, PA.

Acid Phosphate
 Special Potash Mixture
 Special Crop Grower
 Farmers Choice Fertilizer
 Special Fish and Potash Mixture
 Farmers Wheat, Corn and Grass Manure
 Sweet Potato Manure
 Big Crop Fertilizer
 Farmers Guano Mixture
 Potato Vegetable Compound

PENNSYLVANIA SALT MANUFACTURING CO., PHILADELPHIA, PA.

P. S. M. Co. Nitrate Soda 96%

PIEDMONT MT. AIRY GUANO COMPANY, BALTIMORE, MD.

Piedmont 16% Acid Phosphate
 Piedmont High Grade Vegetable Grower
 Piedmont Perfection Guano
 Piedmont Farmers Favorite
 Piedmont Harvest Queen
 Piedmont Ammoniated Fertilizer
 Piedmont Standard
 Piedmont Plow Brand
 Piedmont Ideal Wheat and Corn
 Piedmont 4-8-6 Fertilizer
 Piedmont Unexcelled Guano
 Piedmont H. G. Ammoniated Phosphate and Potash
 Piedmont Insula Fish Guano
 Piedmont Raw Bone Meal
 Piedmont Bone Meal
 Piedmont 7% Tankage
 Piedmont Potash Special
 Piedmont Superphosphate and Potash
 Piedmont Special Potash Mixture
 Nitrate of Soda
 Muriate of Potash

PITTSBURGH PROVISION & PACKING CO., PITTSBURGH,
PA.

No. 1 Pure Raw Bone Meal
Bone Meal Fertilizer
Pure Bone and Meat
Pure Raw Bone Meal Flour
Corn and Potato
Keystone
Guano
Lawn
High Grade Acid Phosphate
Muriate of Potash
Nitrate of Soda

POTASH MARL, INC., NEW YORK, N. Y.
Potash-Marl

RAISIN-MONUMENTAL COMPANY, BALTIMORE, MD.

Raisin's 16% Acid Phosphate
Raisin's Phospho Tobacco
Raisin's Phosphate and Lime Mixture
Raisin's 20% Acid Phosphate
Raisin's Double Phosphate and Potash
Raisin's Giant Potash Compound
Raisin's Royal Manure
Raisin's United Grain Grower
Raisin's National Crop Compound
Raisin's Empire Guano
Raisin's King Guano
Raisin's Royal Fish and Potash Mixture
Raisin's Universal Crop Manure
Raisin's Vegetable Special
Raisin's Best Crop Formula
Raisin's Capital Grain and Clover Compound
Raisin's Hope Brand
Raisin's Bictoria High Grade Guano
Raisin's Best Potato Formula
Raisin's High Analysis Grain Grower
Raisin's Seawall Truck Compound
Raisin's Double Royal Brand

READING BONE FERTILIZER CO., READING, PA.

Reading Five, Eight and Eight
Reading Four, Eight and Six
Reading Two, Eight and Ten
Reading All Crop Special

READING BONE FERTILIZER CO., READING, PA.,—Continued.

Reading, Two, Twelve and Five
 Reading One, Eight and Five
 Blood Meat and Potash Mixture
 High Grade Potash Mixture
 Economy Brand
 16% Clear Acid Phosphate
 Pure Raw Bone
 Nitrate of Soda
 Muriate of Potash
 7% Animal Tankage

A. F. REES, HANOVER, PA.

Rees Animal Tankage

ROBERT A. REICHARD, INC., ALLENTOWN, PA.

Special Truck Manure
 Bone Meal
 Early Corn and Potato Manure
 Lehigh Potato Manure
 Famous 2-8-5
 Peerless Phosphate
 Ideal Phosphate
 American Eagle
 Acid Phosphate
 Animal Tankage
 Muriate of Potash
 Nitrate of Soda

L. RHODES & SON, VANDERGRIFT, PA.

Rhodes Clover Brand Tankage

D. W. ROMBERGER, ELIZABETHVILLE, PA.

Animal Tankage

F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.

Royster's Lime Phosphate
 Royster's 16% Acid Phosphate
 Royster's 18% Acid Phosphate
 Royster's 10-4 Phosphate and Potash
 Royster's 10-8 Phosphate and Potash
 Royster's 10-10 Phosphate and Potash
 Royster's 12-5 Phosphate and Potash
 Royster's Cuckoo Guano
 Royster's Rational Guano
 Royster's Dreadnaught Guano
 Royster's Fish, Flesh and Fowl

F. S. ROYSTER GUANO COMPANY, BALTIMORE, MD.,— Continued.

Royster's Bully Guano
 Royster's Banner Guano
 Royster's Vim Guano
 Royster's Gem Guano
 Royster's Rustic Guano
 Royster's Trucker Delight
 Royster's Special Tobacco Guano

E. W. RUPERT, OXFORD, PA.

Sure Crop
 Complete Potato Manure
 Royal Plant Food

SCHAFFNER BROTHERS COMPANY, ERIE, PA.

Schaffner Brothers Co. Bone Tankage

THE SCOTT FERTILIZER CO., INC., ELKTON, MD.

Scott's Sure Growth Compound
 Scott's Potato Grower
 Scott's Potato and Trunk Special
 Scott's Crop Producer
 Scott's Standard Phosphate
 Scott's Sure Growth Superphosphate
 Scott's Special Grain Grower
 Scott's Soluble Phosphate and Potash 10-4
 Scott's Soluble Phosphate and Potash 12-5
 Scott's Tip Top Soluble Phosphate
 Scott's Pure Ground Raw Bone
 Nitrate of Soda

SHARON RENDERING & FERTILIZER WORKS, SHARON, PA.

Bone Phosphate and Potash
 1-9-5 Phosphate

CHARLES R. SHOEMAKER, INC., PHILADELPHIA, PA.

C. R. Shoemaker Brand 2-8-10 Potato Special
 C. R. Shoemaker Brand 2-8-5 Corn and Tomatoes
 Nitrate of Soda
 8% Tankage

M. L. SHOEMAKER & CO., INC., PHILADELPHIA, PA.

Shoemaker's Swift-Sure Super Phosphate Potato Special
 Shoemaker's Swift-Sure Super Phosphate Early Potato
 Shoemaker's Swift-Sure Super Phosphate Potato Grower
 Shoemaker's Swift-Sure Super Phosphate Potato No. 1
 Shoemaker's Swift-Sure Super Phosphate Potato No. 2

M. L. SHOEMAKER & CO., INC., PHILADELPHIA, PA.,—Continued.

Shoemaker's Swift-Sure Sweet Potato
 Shoemaker's Swift-Sure 10% Potato Special
 Shoemaker's Swift-Sure Super Phosphate General Use
 Shoemaker's Swift-Sure Super Phosphate General Grower
 Shoemaker's Swift-Sure Guano, Tomatoes, Truck and Corn
 Shoemaker's Swift-Sure Fish Tankage Potash Phosphate
 Shoemaker's Swift-Sure Top Dresser for Strawberries
 Shoemaker's Swift-Sure Dissolved S. C. Rock
 Shoemaker's Swift-Sure Bone Meal
 Shoemaker's Bone Meal
 Shoemaker's Swift-Sure Special 4-8-5 Tobacco Formula
 Shoemaker's Swift-Sure Bone Meal and Acid Phosphate 50-50
 Shoemaker's Swift-Sure Animal Tankage
 Muriate of Potash
 Nitrate of Soda
 Odorless Fertilizer for Lawns and Gardens
 Shoemaker's 3-50 Bone Meal

STANDARD CHEMICAL WORKS, INC., READING, PA.

Cheapest In the End
 Potato and Truck Special
 All Crops
 Peerless Mixture
 Old Standard
 Standard Twelve and Five
 Tankage and Potash Mixture
 Complete Fertilizer
 Crop Producer
 Reading Clear Acid Phosphate
 Nitrate of Soda
 Standard Four-Eight-Four

SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.

Summers' Best on Earth 9-12-5
 Summers' Best on Earth 1-9-3
 Summers' Best on Earth 2-8-5
 Summers' Best on Earth 2-8-10
 Summers' Best on Earth 4-8-4
 Summers' Best on Earth Acid Phosphate 16%
 Summers' Special Lawn Fertilizer

THE SUPERIOR GUANO COMPANY, BALTIMORE, MD.

Franklin Special

SWACKS FERTILIZER WORKS, DUBOIS, PA.

Swack's Special Top Dressing
 Swack's Potato and Truck
 Swack's Special Potato
 Swack's Wheat Fertilizer
 Swack's Corn and Wheat
 Swack's General Crop Grower
 Swack's Grain Grower
 Swack's Super Phosphate
 Swack's Phosphate and Potash
 Swack's Acid Phosphate
 Swack's High Grade Tankage
 Swack's Muriate of Potash
 Swack's Nitrate of Soda

SWIFT & COMPANY, BALTIMORE, MD.

Swift's High Grade Trucker
 Swift's Red Steer 6-8-4
 Swift's Red Steer 5-10-5
 Swift's Red Steer 5-8-7
 Swift's Hummer
 Swift's Red Steer 4-12-4
 Swift's Red Steer 4-8-10
 Swift's New Jersey Special
 Swift's Long Island Potato Manure
 Swift's High Grade Special
 Swift's Red Steer 3-10-6
 Swift's Red Steer 2-12-4
 Swift's Champion Wheat and Corn Grower
 Swift's Special Potato Fertilizer
 Swift's Golden Grain Grower
 Swift's Red Steer 2-8-2
 Swift's Special Wheat Grower
 Swift's Red Steer 2-16-2
 Swift's Red Steer Phosphate and Potash
 Swift's Red Steer 0-10-10
 Swift's High Grade Acid Phosphate Fertilizer
 Swift's Lime Phosphate Fertilizer
 Swift's Raw Bone Meal Fertilizer
 Swift's Bone Meal Fertilizer
 Swift's Nitrate of Soda
 Swift's Muriate of Potash
 Swift's Red Steer 2-12-2
 Swift's Red Steer 2-8-10
 Swift's Red Steer 1-9-4

SWIFT & COMPANY, BALTIMORE, MD.—Continued.

Swift's Red Steer 0-14-4
 Swift's Red Steer 16% Acid Phosphate
 Swift's Red Steer 20% Acid Phosphate
 Swift's Bone Meal Fertilizer
 Swift's Red Steer 5-13-8
 Swift's Vigoro
 Swift's High Grade Potato Fertilizer
 Swift's Special Wheat and Corn Grower
 Swift's Diamond B Fertilizer
 Swift's Planters Favorite
 Swift's Ground Dried Blood
 Swift's Red Steer 2-9-2
 Swift's Pennsylvania Tobacco Grower

TENNESSEE COAL, IRON AND RAILROAD COMPANY, BIRMINGHAM, ALA.

Duplex Basic Phosphate

I. P. THOMAS & SON CO., PHILADELPHIA, PA.

Improved Truckers Fertilizer 5-10-5
 Long-Island Special 4-8-7
 Royal Fish Guano 4-8-5
 Economy Fertilizer 3-12-3
 Tip-Top Super-Phosphate 3-10-4
 Special-Potato 2-8-10
 Potato Fertilizer 2-9-6
 Victor Potash Fertilizer 2-8-5
 Champion Guano 2-10-4
 Farmers Choice 2-12-2
 Fish Mixture 1-8-5
 Farmers Complete 1-8-2
 Dairymen's Special 0-10-8
 Potash Mixture 0-12-5
 16% Acid Phosphate
 Pure Ground Bone
 Nitrate of Soda
 Bone-Tankage
 Muriate of Potash
 Kainit
 Thomas' Tobacco Grower (Potash from Sulphate 4-8-5)

TRENTON BONE FERTILIZER CO., TRENTON N. J.

Trenton 5-10-6
 Trenton 4-8-6
 Trenton 4-8-8
 Trenton 3-12-3
 Trenton 2-8-5
 Corn and Grain
 Asparagus Mixture
 Trenton Pure Ground Bone

F. W. TUNNELL & COMPANY, INC., PHILADELPHIA, PA.

Wheat and Cereal Manure
 Tunnel's 1-8-6 Special
 Veribest Cereal Manure
 Red Diamond Potato and Truck Guano
 Fish Manure with Potash
 Standard Cereal Manure
 Special Tobacco Guano
 Red Diamond Superior Potato Manure
 Acid Phosphate
 Pure Ground Bone
 Nitrate of Soda
 10-8 Potash Manure
 Three M Potato Manure

TYSON BROTHERS INC., FLORA DALE, PA.

Tyson Super Phosphate

UNION CHEMICAL WORKS, INC., NORTH WALES, PA.

Ideal Potato Manure
 High Grade Vegetable Guano
 Eastern Trucker
 Potato and Celery Special
 Grain and Grass Grower
 Farmers' Special
 General Crop Grower
 Farmers' Favorite
 Acid Phosphate
 Ground Tankage
 Raw Bone Meal
 Steamed Bone Meal
 Nitrate of Soda

UNITED HOME DRESSED MEAT CO., ALTOONA, PA.

Dry Tankage

VIRGINIA CAROLINA CHEMICAL COMPANY OF DELAWARE,
NEW YORK, N. Y.

V-C Acid Phosphate
V-C Star Brand
V-C Olympic Brand
V-C Pilot Brand
V-C Electric Brand
V-C Rescue Brand
V-C Owl Brand
V-C Plow Brand
V-C Eureka Brand
V-C Monarch Brand
V-C Little Giant Brand
V-C Good Luck Brand
V-C Champion Brand
V Double Owl Brand
V-C Port Royal Brand
V-C Game Cock Brand
Nitrate of Soda
Muriate of Potash
Genuine Imported Kainit
Fine Ground Bone
Pure Raw Bone
Sulphate of Ammonia
Ground Tankage

EMIL WAHL MANUFACTURING CO., PHILADELPHIA, PA.
Warranted Pure Philadelphia Button Bone Meal

WASHINGTON, ALEXANDER & COOKE CO., CHARLESTOWN,
W. VA.

Wacco Superphosphate
Wacco Potato and Tobacco Manure
Wacco Crop Grower
Wacco Wheat, Corn and Oats Mixture
Wacco Fish and Potash
Wacco Eight and Six
Wacco Lime Phosphate Mixture
Wacco Champion Crop Producer
Wacco C. S. Meal for Tobacco
Penn Guano
Standard Potash Brand

WATSONTOWN FERTILIZER CO., WATSONTOWN, PA.

Acid Phosphate
Valley Special
Soil Builder
Crop Producer

WHITE ROSE PLANT FOOD CO., YORK, PA.

White Rose Plant Food

WINNER PACKING PLANT, F. L. WINNER, LOCK HAVEN, PA.

Winner's Tankage

THE WORLDS FERTILIZER PROCESS CO., SHARPSBURG, PA.

Shur-Gro

YORK CHEMICAL WORKS, YORK, PA.

Raw Bone Meal
Pure Ground Bone
Top Dresser
Potato and Truck
General Crop
Spring Special
Two-Twelve-Six
Standard
Royal Mixture
Grain Special
Plow Brand
Standard Potash
One-Eight-Two
Twelve and Five
Ten and Eight
Tobacco Special
R. B. Special
Acid Phosphate 16%
Acid Phosphate 18%
Nitrate of Soda
Ground Animal Tankage
Dried Ground Blood
Muriate of Potash
Sulphate of Potash
Lime Phosphate
Four-Sixteen-Ten
Garden Fertilizer

WILLIAM P. YOUNG & SON, POTTSTOWN, PA.

Ammonium Sulphate
Muriate of Potash
16% Acid Phosphate

TABLE I—DEFICIENCIES.

Classes of Fertilizers.	Number of samples.	Deficient in nitrogen.	Deficient in available phosphoric acid.	Deficient in potash.
Complete fertilizers, -----	1,167	36	154	55
Nitrogen and phosphoric acid fertilizers, -----	7		3	
Ground bone fertilizers, -----	53	4	*9	
Acidulated phosphate fertilizers, -----	311		13	
Rock and potash fertilizers, -----	187		15	14
Miscellaneous fertilizers, -----	144	10	†5	11
Totals, -----	1,869	50	199	80

*Total phosphoric acid,

†Total phosphoric acid (3).

TABLE II—AVERAGE ANALYSES AND RETAIL PRICES.

	Complete Fertilizers.	Nitrogen and Phosphoric Acid Fertilizers. (Dissolved Bones, etc.)	Ground Bone Fertilizers.	Acidulated Phosphate Fertilizers.	Rock and Potash Fertilizers.
Number of samples, -----	1,167	7	53	311	187
Moisture, -----	% 4.99	% 4.31	% 5.47	% 3.41	% 4.76
Total nitrogen, -----	1.73	1.46	3.37		
Total phosphoric acid, -----	8.90	11.88	23.77	17.43	12.00
Available phosphoric acid, -----	8.90	10.50		16.49	11.32
Insoluble phosphoric acid, -----	1.00	1.38		0.94	0.68
Potash, -----	4.89				5.41
Mechanical analysis of bone:					
Fine, -----			65		
Coarse, -----			35		
Selling price, -----	\$30.46	\$25.60	\$49.26	\$17.44	\$24.59
Average selling price, Fall, 1923, -----	\$29.15	\$29.93	\$50.18	\$18.22	\$24.79
Average selling price, Spring, 1923, -----	\$31.86	\$29.42	\$49.50	\$19.39	\$25.80

TABLE III—AVERAGE ANALYSES OF COMPLETE FERTILIZERS
BY FORMULA GRADES.

Formula.	Number of Brands.	Number of Samples.	Nitrogen.	Phosphoric Acid.	Potash.	Price.
High Grade Formulas.			%	%	%	\$
1-7-7, -----	1	2	1.04	7.58	7.68	23.85
1-8-5, -----	2	7	1.01	8.71	5.30	26.78
1-8-6, -----	4	13	1.07	8.39	6.30	29.51
1-9-5, -----	2	3	0.98	9.52	6.07	26.88
1-9-7, -----	1	2	0.93	9.17	7.45	27.93
1-12-1, -----	1	1	0.90	12.49	1.30	30.00
1½-10-5, -----	1	1	1.23	10.70	5.22	38.00
1½-20-5, -----	1	1	1.99	15.37	6.44	38.00
2-8-4, -----	13	33	1.78	8.26	4.42	30.67
2-8-5, -----	28	98	1.79	8.30	5.46	30.28
2-8-6, -----	2	4	1.86	8.09	6.48	33.08
2-8-10, -----	47	155	1.77	8.29	10.34	33.60
2-9-3, -----	4	7	1.77	9.41	3.41	29.45
2-9-5, -----	2	4	1.71	9.54	5.53	32.83
2-9-6, -----	1	1	1.83	9.19	6.37	30.50
2-9-9, -----	1	3	1.68	8.91	9.26	32.07
2-10-2, -----	3	4	1.85	10.50	2.47	28.00
2-10-3, -----	1	3	1.86	9.97	3.45	29.05
2-10-4, -----	8	23	1.81	10.37	4.47	30.16
2-10-6, -----	11	17	1.86	9.91	6.38	31.95
2-12-2, -----	20	58	1.80	12.28	2.56	30.30
2-12-4, -----	13	26	1.87	12.18	4.27	30.74
2-12-5, -----	1	1	1.63	12.98	5.45	31.50
2-12-6, -----	2	7	1.73	12.17	6.38	34.09
2-12-8, -----	1	5	1.72	11.72	7.84	34.22
2-16-2, -----	2	3	1.75	10.06	2.80	37.00
2½-13½-2½, -----	1	1	3.04	12.92	4.26	-----
2½-6-6, -----	1	2	1.80	8.74	6.75	33.00
2½-10-12½, -----	1	1	2.25	9.83	12.15	28.30
2½-11½-6½, -----	1	1	2.56	11.76	6.33	25.30
2½-13½-8, -----	1	1	2.20	11.04	4.61	-----
3-8-3, -----	7	9	2.46	8.45	3.31	32.68
3-8-4, -----	2	2	2.50	8.16	5.20	37.30
3-8-5, -----	1	1	2.37	9.68	5.77	-----
3-8-6, -----	2	3	2.50	8.50	5.50	36.42
3-8-7, -----	1	1	2.79	8.54	7.18	-----
3-9-2, -----	1	1	2.65	13.97	2.33	-----
3-10-4, -----	3	7	2.54	10.12	4.23	41.44
3-10-6, -----	2	3	2.31	9.99	6.16	34.40
3-12-3, -----	4	6	2.57	12.13	3.90	34.48
3-13-5, -----	1	1	2.89	6.98	6.58	35.00
4-6-5, -----	1	1	3.58	6.74	5.60	37.00
4-6-10, -----	1	1	3.12	8.31	9.82	36.50
4-7-5, -----	1	2	3.46	7.94	6.05	43.50
4-8-4, -----	14	31	3.27	8.16	4.49	37.26
4-8-5, -----	5	12	3.32	8.58	5.48	39.83
4-8-6, -----	17	27	3.30	8.07	6.29	39.80
4-8-7, -----	5	7	3.26	8.29	7.50	40.16
4-8-8, -----	1	2	3.46	7.49	9.29	39.00
4-8-10, -----	1	1	3.60	8.28	9.03	-----
4-12-4, -----	3	5	3.12	11.85	4.55	42.42
4-12-7, -----	1	1	3.02	7.86	12.03	37.50
4-16-4, -----	1	2	3.45	16.67	10.66	52.40
4½-8½-11, -----	1	1	1.76	10.92	8.73	-----
5-4-5, -----	2	3	4.45	4.61	5.90	50.00
5-7-5, -----	2	3	3.98	7.47	5.45	35.10
5-8-3, -----	1	3	4.25	8.77	4.38	84.70
5-8-5, -----	7	8	4.13	8.31	5.16	43.39
5-8-7, -----	1	1	4.08	8.94	7.09	49.00
5-8-8, -----	1	1	4.29	7.81	9.30	60.00
5-10-5, -----	1	1	4.06	11.18	5.78	31.50
6-4-7, -----	1	1	5.05	3.41	8.54	63.00
6-7-5, -----	1	1	5.31	8.83	5.69	50.00
6-8-4, -----	1	1	5.13	8.36	4.52	38.00
7-6-5, -----	3	3	5.14	7.24	6.05	41.28
7-8-3, -----	1	1	5.68	8.03	3.00	47.10
7-9½-4½, -----	1	1	6.05	9.71	5.33	-----
8-4-2, -----	1	2	5.60	5.52	4.43	47.50
10-4-4, -----	1	1	6.86	6.17	4.67	52.50
Totals, -----	279	646	2.15	9.21	6.29	33.70

TABLE III—AVERAGE ANALYSES OF COMPLETE FERTILIZERS
BY FORMULA GRADES—Continued.

Formula.	Number of Brands.	Number of Samples.	Nitrogen.	Phosphoric Acid.	Potash.	Price.
Low Grade Formulas.			%	%	%	\$
1-6-1, -----	1	1	0.60	5.98	1.20	21.00
1-7-2, -----	1	3	0.70	7.26	2.58	20.88
1-7-3, -----	1	2	0.63	7.45	3.54	22.50
1-8-1, -----	2	4	0.67	9.24	1.59	21.65
1-8-2, -----	5	15	0.71	8.53	2.46	23.02
1-8-4, -----	1	2	0.69	8.36	4.14	22.00
1-8-3, -----	1	1	0.80	8.33	2.69	24.00
1-7-1, -----	5	14	1.03	7.35	1.54	23.77
1-7-4, -----	1	2	1.04	8.15	4.17	28.50
1-8-1, -----	20	40	1.02	8.34	1.51	21.32
1-8-2, -----	27	56	1.00	8.38	2.49	25.07
1-8-3, -----	1	3	0.98	8.31	3.19	22.75
1-8-4, -----	34	148	0.99	8.36	4.47	26.55
1-9-2, -----	6	24	1.01	9.48	2.43	26.05
1-9-3, -----	21	51	1.00	9.49	3.47	26.39
1-10-2, -----	3	6	1.02	10.36	2.59	25.65
11-8-2, -----	1	2	1.43	8.95	3.13	
11-9-2, -----	1	3	1.43	10.13	2.74	29.00
11-7-2, -----	1	8	1.61	7.26	2.26	28.96
11-7-3, -----	1	4	1.59	7.48	3.43	31.22
11-9-2, -----	1	1	1.70	9.98	2.46	26.00
11-9-3, -----	1	1	1.81	8.06	3.21	40.00
2-7-3, -----	1	5	1.69	8.59	3.48	25.88
2-7-4, -----	1	1	1.43	7.76	4.73	
2-8-2, -----	32	78	1.79	8.48	2.45	28.66
2-8-3, -----	13	34	1.80	8.30	3.43	29.95
2-9-2, -----	2	6	1.87	9.69	2.47	29.14
21-7-4, -----	1	2	1.96	7.85	5.64	30.00
4-31-5, -----	1	2	3.13	4.96	4.95	34.50
4-5-4, -----	1	2	3.19	6.39	4.27	33.50
30 Totals, -----	188	521	1.22	8.52	3.16	26.51
99 Grand total, -----	467	1,167	1.73	8.90	4.89	30.46

KEY TO TABLES.

The following tables include the detailed results of chemical analyses of each sample. All samples were given a chemist's number as shown in the extreme left and right hand columns and are grouped in alphabetical order of manufactures and brand names. Each class is shown in separate tables and the following information will serve as a key to these tables:

The asterick (*) indicates the cases where total nitrogen, available phosphoric acid and total potash are deficient to the extent of .2 per cent. or more below their respective guarantees. In cases where the guarantees are .5 per cent. or less the deficiencies noted are where the amount is .1 per cent or more below the guarantees.

Order of results of analysis: Moisture, Total Nitrogen found and Guaranteed, Total Phosphoric Acid found and guaranteed; Available Phosphoric Acid found and guaranteed; Insoluble Phosphoric Acid found and guaranteed; Total Potash found and guaranteed, and Potash as Muriate and as Sulphate.

To determine the formula of any brand, as guaranteed, multiply Total Nitrogen guaranteed by 1.2158 to obtain Ammonia and then use this figure and the guarantees for Available Phosphoric Acid and Total Potash. For example, Nitrogen guarantee equals .82% (.82 x 1.2158=1%.) Ammonia equals 1% Available Phosphoric Acid 8% Potash 1%. Formula therefore is 1-8-1.

Table IV, Complete Fertilizers, furnishing Nitrogen, Phosphoric Acid and Potash.

Table V, Nitrogen and Phosphoric Acid Fertilizers, including Dissolved Bones and other like products.

Table VI, Ground Bone Fertilizers, furnishing Nitrogen and Total Phosphoric Acid.

Table VII, Acidulated Phosphoric Fertilizers, furnishing Phosphoric Acid.

Table VIII, Rock and Potash Fertilizers, furnishing Phosphoric Acid and Potash.

Table IX, Miscellaneous Fertilizers, including Nitrate of Soda, Sulphate of Ammonia, Dried Blood, Dried Fish, Tankage, Kainit, Manure Salt, Muriate of Potash, Sulphate of Potash and unclassified fertilizers.

TABLE IV—COM
Furnishing Nitrogen Phos

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
	HIGH GRADE FORMULAS. THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		%
7083	Agrico Fertilizer for Grain, -----	Ewing P. Kinsloe, Newton Hamilton, -----	6.55
6789	Agrico Fertilizer for Potatoes, -----	Elmer Schmittle, Orbisonia, -----	2.09
5990	Agrico Fertilizer for Potatoes, -----	R. R. Yoder, Belleville, -----	6.75
6054	Bowker's Lawn and Garden Dressing, --	Marshall Brothers, New Castle, -----	10.75
5553	Bradley's Potato and Vegetable Fertilizer, -----	S. Carol Graner, Hatboro, -----	6.50
6047	Bradley's Special Weymouth Fertilizer, -----	Aira Burgstresser, Ottsville, -----	7.29
5552	Bradley's Special Weymouth Fertilizer, -----	S. Carol Graner, Hatboro, -----	6.50
6237	Bradley's Special Weymouth Fertilizer, -----	Geo. W. Kale, Oil City, -----	6.35
6046	Bradley's Weymouth Staple Phosphate, -----	Aira Burgstresser, Ottsville, -----	7.01
6554	Bradley's Weymouth Staple Phosphate, -----	S. Carol Graner, Hatboro, -----	5.37
6081	Bradley's Weymouth Staple Phosphate, -----	Charles McDowell, Mansfield, -----	6.44
5856	Bradley's Weymouth Staple Phosphate, -----	J. A. McKelvey, Blairsville, -----	6.30
5933	Complete Manure with 6% Potash, ---	W. B. Winey & Son, Middleburg, -----	6.56
6654	Crocker's High Grade Special, -----	Option Feed Company, Pittsburgh, ---	7.00
6609	Garden Spot Earley Trucker, -----	John Greenleaf, Quarryville, -----	3.40
6415	Garden Spot Earley Trucker, -----	Wolf & Huffman, Watstown, -----	6.96
6271	General Truck Fertilizer, -----	Phillips & Minner, New Wilmington, ---	7.97
6066	High Grade Potash Compound, -----	F. A. Ackley & Son, Westfield, -----	6.90
7502	High Grade Potash Compound, -----	John Greenleaf, Quarryville, -----	1.57
6593	High Grade Potash Compound, -----	J. S. Moore & Son, Oakdale, -----	6.16
6315	High Grade Potash Compound, -----	Reuben Persun, Montgomery, -----	5.43
7250	High Grade Potash Compound, -----	F. J. Strittmatter Co., Bradley Junction, -----	5.67
5862	High Grade Potash Compound, -----	The Farmers Exchange, Indiana -----	6.20
7642	High Grade Potash Compound, -----	Union Coal & Supply Co., Union City, ---	2.35
6132	High Grade Potash Compound, -----	Robt. Wentz, Wellsville, -----	4.50
7133	Lister's A. B. C. Fertilizer (Abundance Brand Compound), -----	Herman & Wetzel, Selingsgrove, -----	6.85
6739	Lister's A. B. C. Fertilizer (Abundance Brand Compound), -----	W. L. Mitzel, Red Lion, -----	5.82
7361	Lister's A. B. C. Fertilizer (Abundance Brand Compound), -----	W. L. Mitzel, Red Lion, -----	6.45
7273	Lister's Crop Grower, -----	Gant Hardware Co., Jeannette, -----	6.57
6039	Lister's Crop Grower, -----	R. E. Reamer, Greensburg, -----	7.26
7481	Lister's Crop Grower, -----	R. D. Wenner, Stillwater, -----	2.35
6243	Lister's Jersey Potato Fertilizer, -----	J. L. Alcorn, Titusville, -----	6.10
6043	Lister's Jersey Potato Fertilizer, -----	R. E. Reamer, Greensburg, -----	5.97
6246	Lister's Perfect Potato Manure, -----	J. L. Alcorn, Titusville, -----	5.98
6729	Lister's Perfect Potato Manure, -----	John R. Jones, Troy, -----	4.62
6157	Lister's Standard Guano, -----	C. H. Eungard, Spring Mills, -----	9.63
7239	Lister's Standard Guano, -----	W. J. R. Hay, Somerset, -----	8.22
7151	Lister's Standard Guano, -----	Herman & Wetzel, Selingsgrove, -----	7.90
7238	Lister's 10% Potash Fertilizer, -----	A. E. Barron, Somerset, -----	7.32
6476	Lister's 16% Potash Fertilizer, -----	Bedford County Cooperative, -----	4.90
6848	Lister's 10% Potash Fertilizer, -----	Association, Everett, -----	-----
6318	Lister's 10% Potash Fertilizer, -----	Ebensburg Milling Co., Ebensburg, ---	3.21
6358	Lister's 10% Potash Fertilizer, -----	Harry Grittner, Montgomery, -----	5.25
7480	Lister's 10% Potash Fertilizer, -----	Herman & Wetzel, Selingsgrove, -----	5.93
7541	Lister's 10% Potash Fertilizer, -----	R. D. Wenner, Stillwater, -----	1.55
6852	Mixed to Order, -----	R. K. Yoder, Belleville, -----	5.57
6296	Monarch Potato Manure, -----	R. C. Berrits Sons, Somerset, -----	4.54
5930	Monarch Potato Manure, -----	Thompson & Fordyce, Waynesburg, ---	3.15
6418	Old Hickory, -----	W. B. Winey & Son, Middleburg, -----	6.05
7469	Old Hickory, -----	F. L. Allen, Allenwood, -----	6.37
6337	Patapsco Pennsylvania Special, -----	P. L. Schuch, Cogan Station, -----	2.25
6811	Patapsco Pennsylvania Special, -----	John J. Auti, Pottsgrove, -----	5.98
6181	Patapsco Pennsylvania Special, -----	John C. Harrington, Montrose, -----	5.94
6813	Patapsco Vegetable and Corn Fertilizer, -----	J. J. Klugh, Dillsburg, -----	5.85
5892	Patapsco Vegetable and Corn Fertilizer, -----	J. C. Harrington, Montrose, -----	6.39
7195	Patapsco Vegetable and Corn Fertilizer, -----	E. C. Thomas, Gettysburg, -----	4.01
5848	Peerless Vegetable and Grain Grower, ---	E. C. Thomas, Gettysburg, -----	1.80
7677	Peerless Vegetable and Grain Grower, ---	W. B. Barnitz, Carlisle, -----	3.57
		C. E. Brumbaugh, New Enterprise, ---	5.85

PLETE FERTILIZERS.

phoric Acid and Potash.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
2.00	1.65	13.14	13.00	12.06	12.00	1.08	1.00	4.55	4.00	4.55	-----	35.00	7083
3.35	3.29	8.62	9.00	8.00	8.00	0.62	1.00	6.63	6.00	6.63	-----	48.00	6789
3.49	3.29	8.85	9.00	7.81	8.00	1.04	1.00	6.20	6.00	6.20	-----	40.00	5950
2.65	2.47	20.41	10.00	13.97	9.00	6.44	1.00	2.33	2.00	2.33	-----	-----	6954
3.43	3.29	9.03	9.00	7.97	8.00	1.06	1.00	6.47	6.00	6.47	-----	-----	6553
1.89	1.65	8.88	9.00	8.04	8.00	0.84	1.00	4.24	4.00	4.24	-----	31.50	6047
1.76	1.65	8.92	9.00	8.02	8.00	0.90	1.00	4.53	4.00	4.53	-----	-----	6552
1.72	1.65	8.65	9.00	*7.30	8.00	1.35	1.00	4.15	4.00	4.15	-----	33.00	6237
1.78	1.65	8.46	9.00	*7.80	8.00	0.66	1.00	10.84	10.00	10.84	-----	-----	6046
1.85	1.65	9.08	9.00	8.02	8.00	1.06	1.00	11.06	10.00	11.06	-----	-----	6554
1.65	1.65	9.10	9.00	8.06	8.00	1.04	1.00	10.10	10.00	10.10	-----	36.00	6081
1.72	1.65	9.11	9.00	*7.57	8.00	1.54	1.00	10.17	10.00	10.17	-----	33.00	5836
3.82	3.29	8.67	9.00	7.81	8.00	0.86	1.00	5.88	6.00	5.88	-----	31.00	5933
1.68	1.65	9.34	9.00	8.42	8.00	0.92	1.00	4.13	4.00	4.13	-----	30.40	6658
4.08	4.11	8.25	8.00	7.55	7.00	0.70	1.00	5.53	5.00	5.53	-----	-----	6609
3.95	4.11	7.93	8.00	7.19	7.00	0.74	1.00	5.93	5.00	5.93	-----	35.00	6415
2.46	2.47	8.99	9.00	8.27	8.00	0.72	1.00	5.53	4.00	5.53	-----	36.00	6271
1.83	1.65	8.78	9.00	8.13	8.00	0.65	1.00	10.41	10.00	10.41	-----	37.50	6066
1.92	1.65	10.03	9.00	8.61	8.00	1.42	1.00	10.98	10.00	10.98	-----	-----	7502
1.80	1.65	8.99	9.00	*7.31	8.00	1.68	1.00	10.41	10.00	10.41	-----	38.00	6593
1.72	1.65	8.30	9.00	*7.56	8.00	0.74	1.00	10.10	10.00	10.10	-----	-----	6315
1.84	1.65	9.15	9.00	8.12	8.00	1.06	1.00	10.91	10.00	10.91	-----	33.40	7250
1.77	1.65	9.11	9.00	7.91	8.00	1.20	1.00	10.80	10.00	10.80	-----	36.00	5862
1.65	1.65	9.80	9.00	8.68	8.00	1.12	1.00	10.93	10.00	10.93	-----	37.00	7642
1.88	1.65	8.98	9.00	8.02	8.00	0.96	1.00	10.14	10.00	10.14	-----	-----	6132
*1.40	1.65	12.82	13.00	*11.66	12.00	1.16	1.00	2.74	2.00	2.74	-----	29.50	7153
1.94	1.65	13.75	13.00	12.47	12.00	1.28	1.00	2.36	2.00	2.36	-----	28.00	6739
1.89	1.65	13.97	13.00	12.73	12.00	1.24	1.00	2.39	2.00	2.39	-----	-----	7361
1.69	1.65	9.58	9.00	8.68	8.00	0.90	1.00	4.14	4.00	4.14	-----	45.00	7273
1.90	1.65	9.29	9.00	*7.41	8.00	1.88	1.00	3.96	4.00	3.96	-----	29.00	6089
1.90	1.65	9.08	9.00	8.20	8.00	0.88	1.00	4.45	4.00	4.45	-----	28.20	7481
3.58	3.29	9.50	9.00	*7.76	8.00	1.74	1.00	*5.01	6.00	5.01	-----	40.00	6243
3.31	3.29	8.83	9.00	*7.79	8.00	1.04	1.00	6.30	6.00	6.30	-----	43.00	6043
3.49	3.29	9.63	9.00	7.91	8.00	1.72	1.00	4.74	4.00	4.74	-----	38.50	6246
3.39	3.29	9.10	9.00	8.04	8.00	1.06	1.00	4.13	4.00	4.13	-----	31.00	6729
1.87	1.65	13.06	13.00	12.10	12.00	0.96	1.00	4.38	4.00	4.38	-----	27.25	6157
1.72	1.65	13.64	13.00	12.60	12.00	1.04	1.00	4.35	4.00	4.35	-----	31.25	7239
1.80	1.65	13.32	13.00	12.28	12.00	1.04	1.00	4.55	4.00	4.55	-----	31.00	7151
1.60	1.65	9.52	9.00	8.70	8.00	0.82	1.00	10.22	10.00	10.22	-----	33.15	7238
1.70	1.65	9.02	9.00	8.12	8.00	0.90	1.00	*8.90	10.00	8.90	-----	35.00	6476
1.90	1.65	8.92	9.00	8.06	8.00	0.86	1.00	11.18	10.00	11.18	-----	38.00	6848
1.68	1.65	9.27	9.00	8.15	8.00	1.12	1.00	10.30	10.00	10.30	-----	30.50	6318
1.65	1.65	8.94	9.00	7.90	8.00	1.04	1.00	10.65	10.00	10.65	-----	34.50	6358
1.86	1.65	9.49	9.00	8.63	8.00	0.86	1.00	10.62	10.00	10.62	-----	32.40	7480
1.53	1.65	10.06	9.00	8.52	8.00	1.54	1.00	*8.62	10.00	8.62	-----	33.50	7541
5.13	-----	9.18	-----	8.36	-----	0.82	-----	4.52	-----	4.52	-----	38.00	6852
3.50	3.29	9.41	9.00	8.11	8.00	1.30	1.00	4.49	4.00	4.49	-----	41.00	6296
3.61	3.29	8.92	9.00	7.88	8.00	1.04	1.00	4.22	4.00	4.22	-----	33.00	5930
1.09	0.82	8.13	8.00	7.31	7.00	0.82	1.00	7.19	7.00	7.19	-----	27.00	6418
0.99	0.82	8.64	8.00	7.84	7.00	0.80	1.00	8.17	7.00	8.17	-----	29.50	7469
1.73	1.65	8.93	9.00	7.97	8.00	0.96	1.00	*9.43	10.00	9.43	-----	-----	6337
1.72	1.65	8.61	9.00	8.13	8.00	0.48	1.00	10.56	10.00	10.56	-----	37.25	6811
1.73	1.65	8.89	9.00	8.05	8.00	0.84	1.00	10.89	10.00	10.89	-----	-----	6131
1.75	1.65	8.50	9.00	*7.76	8.00	0.74	1.00	4.44	4.00	4.44	-----	33.50	6813
1.87	1.65	8.65	9.00	*7.71	8.00	0.94	1.00	4.33	4.00	4.33	-----	-----	5892
1.80	1.65	9.71	9.00	8.81	8.00	0.90	1.00	4.61	4.00	4.61	-----	29.00	7195
1.76	1.65	9.16	9.00	8.14	8.00	1.02	1.00	5.12	5.00	5.12	-----	25.75	5848
1.63	1.65	9.67	9.00	8.76	8.00	0.92	1.00	5.60	5.00	5.60	-----	31.50	7877

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
7593	Peerless Vegetable and Grain Grower, --	B. F. Horting, Newport, -----	% 4.62
6889	Peerless Vegetable and Grain Grower, --	W. H. Lenhard, Phoenixville, -----	5.35
6372	Peerless Vegetable and Grain Grower, --	Charley Samsman, Thompsonstown, --	6.33
5863	Peerless Vegetable and Grain Grower, --	The Farmers Exchange, Indiana, -----	3.94
7643	Peerless Vegetable and Grain Grower, --	Union Coal & Supply Co., Union City, --	4.07
7375	Pennsylvania Wheat Special, -----	Farmers Exchange, Indiana, -----	5.90
7111	Pennsylvania Wheat Special, -----	J. R. Iddings, Mifflinburg, -----	10.12
6743	Pennsylvania Wheat Special, -----	W. L. Mitzel, Red Lion, -----	5.17
6361	Pennsylvania Wheat Special, -----	L. E. Rhoads, Selinsgrove, -----	8.88
7253	Pennsylvania Wheat Special, -----	F. J. Strittmatter Co., Bradley Junction, -----	9.95
6313	Red Dog Guano, -----	Reuben Persun, Montgomery, -----	5.50
5929	Red Dog Guano, -----	W. B. Winey & Son, Middleburg, -----	6.99
7400	Red Dog Guano, -----	Wolfe & Huffman, Watsonstown, -----	1.22
6394	Red Dragon Guano, -----	W. G. Gutsball, Blain, -----	9.44
7403	Red Dragon Guano, -----	B. L. Shipman, Muncy, -----	7.80
7478	Special Potash Manure, -----	Neal S. Harrison, Forks, -----	2.35
6745	Special Potash Manure, -----	W. L. Mitzel, Red Lion, -----	4.70
7614	Wooldridge's Clover Blossom, -----	Calvin Mengle, Leonardsville, -----	5.61
7401	Wooldridge's Clover Blossom, -----	B. L. Shipman, Muncy, -----	8.95
AMERICAN FERTILIZING COMPANY, BALTIMORE, MD.			
5830	Ameriean Best Crop Formula, -----	H. C. Hertzler, Mechanicsburg, -----	5.35
6857	American Best Grain & Grass Formula, -----	John G. Emert, Somerset, -----	3.58
6856	American Prize Guano, -----	John G. Emert, Somerset, -----	2.73
6979	American Prize Guano, -----	Mellinger & Son, Akron, -----	1.45
ARMOUR FERTILIZER CO., BALTIMORE, MD.			
7510	Armour's Big Crop Fertilizers 2-8-5, ---	M. L. Bachman, Lebanon, -----	2.97
6093	Armour's Big Crop Fertilizers 2-8-5, ---	A. L. Bergstresser, Hellertown, -----	8.99
6325	Armour's Big Crop Fertilizers 2-8-5, ---	Chaaapels Feed Store, Williamsport, -----	6.93
7472	Armour's Big Crop Fertilizers 2-8-5, ---	Chaaapels Feed Store, Williamsport, -----	4.25
6192	Armour's Big Crop Fertilizers 2-8-5, ---	Ditz & Mooney Hardware Co., Clarion, --	5.71
5876	Armour's Big Crop Fertilizers 2-8-5, ---	Frank Douglass, Indiana, -----	5.45
6379	Armour's Big Crop Fertilizers 2-8-5, ---	B. F. Horting, Newport, -----	5.33
6235	Armour's Big Crop Fertilizers 2-8-5, ---	Andrew Karg, Oil City, -----	5.11
6571	Armour's Big Crop Fertilizers 2-8-5, ---	Passmore & Co., Nottingham, -----	5.25
7430	Armour's Big Crop Fertilizers 2-8-5, ---	Reynoldsville Hardware Co., Reynolds-ville, -----	2.10
7259	Armour's Big Crop Fertilizers 2-8-5, ---	A. J. Steele, Latrobe, -----	3.27
7512	Armour's Big Crop Fertilizers 2-8-10, ---	M. L. Baehman, Lebanon, -----	2.95
7575	Armour's Big Crop Fertilizers 2-8-10, ---	W. T. Balsiger, Apollo, -----	3.82
5913	Armour's Big Crop Fertilizers 2-8-10, ---	D. Luther Bogennief, Mifflinburg, -----	5.85
5877	Armour's Big Crop Fertilizers 2-8-10, ---	Frank Douglass, Indiana, -----	5.19
6850	Armour's Big Crop Fertilizers 2-8-10, ---	Ebensburg Milling Co., Ebensburg, -----	3.50
6914	Armour's Big Crop Fertilizers 2-8-10, ---	Petzer Brothers Hardware, Brookville, --	3.50
7791	Armour's Big Crop Fertilizers 2-8-10, ---	G. L. Fory, Clarks Mills, -----	1.60
6226	Armour's Big Crop Fertilizers 2-8-10, ---	Andrew Karg, Oil City, -----	6.12
6452	Armour's Big Crop Fertilizers 2-8-10, ---	H. K. Mattern, Julian, -----	3.90
6064	Armour's Big Crop Fertilizers 2-8-10, ---	H. Z. Pride & Son, Westfield, -----	5.68
7022	Armour's Big Crop Fertilizers 2-8-10, ---	Milton Shellhammer, Lehighnton, -----	7.95
7513	Armour's Big Crop Fertilizers 2-12-2, ---	M. L. Bachman, Lebanon, -----	2.02
6613	Armour's Big Crop Fertilizers 2-12-2, ---	F. B. Fritz & Sons, Quarryville, -----	5.01
6893	Armour's Big Crop Fertilizers 2-12-2, ---	Great Valley Mills, Paoli, -----	4.71
6227	Armour's Big Crop Fertilizers 2-12-2, ---	Andrew Karg, Oil City, -----	6.38
6453	Armour's Big Crop Fertilizers 2-12-2, ---	R. K. Mattern, Julian, -----	4.66
7656	Armour's Big Crop Fertilizers 2-12-2, ---	Nickel Plate Flour Mills, Erie, -----	4.30
6285	Armour's Big Crop Fertilizers 2-12-2, ---	Parnassus Hardware Co., Parnassus, -----	5.22
7839	Armour's Big Crop Fertilizers 2-12-4, ---	Walker & Son, Gap, -----	4.07
6280	Armour's Big Crop Fertilizers 2-12-4, ---	West Apollo Milling Co., Apollo, -----	7.16
7507	Armour's Big Crop Fertilizers 2-16-2, ---	M. L. Baehman, Lebanon, -----	1.85
6303	Armour's Big Crop Fertilizers 2-16-2, ---	Geo. B. Sprowl, Claysville, -----	8.02
6036	Armour's Big Crop Fertilizers 4-8-4, ---	Fayette Farmers Supply, Uniontown, -----	5.44

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.65	1.65	9.81	9.00	8.89	8.00	0.92	1.00	5.15	5.00	5.15	-----	28.00	7593
1.73	1.65	9.27	9.00	8.35	8.00	0.92	1.00	5.52	5.00	5.52	-----	39.00	6859
1.71	1.65	9.21	9.00	8.15	8.00	1.06	1.00	5.52	5.00	5.52	-----	-----	6372
1.77	1.65	8.81	9.00	7.87	8.00	0.94	1.00	5.18	5.00	5.18	-----	32.00	5863
1.70	1.65	9.57	9.00	8.05	8.00	1.52	1.00	5.72	5.00	5.72	-----	34.00	7643
1.80	1.65	14.52	13.00	12.64	12.00	1.88	1.00	4.77	4.00	4.77	-----	37.00	7375
1.77	1.65	13.33	13.00	12.13	12.00	1.20	1.00	4.31	4.00	4.31	-----	30.75	7111
1.90	1.65	13.39	13.00	12.09	12.00	1.30	1.00	4.94	4.00	4.94	-----	-----	6743
1.70	1.65	12.65	13.00	*11.65	12.00	1.00	1.00	4.17	4.00	4.17	-----	29.00	6361
1.82	1.65	13.48	13.00	12.46	12.00	1.02	1.00	4.25	4.00	4.25	-----	31.45	7253
1.73	1.65	8.90	9.00	7.94	8.00	0.96	1.00	4.42	4.00	4.42	-----	28.45	6313
1.98	1.65	9.13	9.00	8.25	8.00	0.88	1.00	4.18	4.00	4.18	-----	29.00	5929
1.83	1.65	10.12	9.00	9.14	8.00	0.98	1.00	4.84	4.00	4.84	-----	27.00	7400
1.85	1.65	12.78	13.00	*11.56	12.00	1.22	1.00	2.44	2.00	2.44	-----	-----	6394
1.99	1.65	13.34	13.00	12.40	12.00	0.94	1.00	2.48	2.00	2.48	-----	28.50	7403
1.71	1.65	11.79	11.00	10.53	10.00	1.26	1.00	6.56	6.00	6.56	-----	31.50	7478
1.74	1.65	11.03	11.00	10.11	10.00	0.92	1.00	7.23	6.00	7.23	-----	29.50	6745
1.70	1.65	13.38	13.00	12.50	12.00	0.88	1.00	4.28	4.00	4.28	-----	30.00	7614
1.76	1.65	13.29	13.00	12.35	12.00	0.94	1.00	4.60	4.00	4.60	-----	29.95	7401
1.71	1.65	10.98	11.00	*9.73	10.00	1.25	1.00	6.09	6.00	6.09	-----	38.00	5830
2.05	1.65	13.60	13.00	*10.92	12.00	2.68	1.00	4.59	4.00	4.59	-----	25.50	6857
2.05	1.65	8.65	9.00	8.11	8.00	0.54	1.00	10.04	10.00	10.04	-----	27.55	6856
1.76	1.65	8.92	9.00	8.38	8.00	0.54	1.00	9.93	10.00	9.93	-----	32.50	6979
1.90	1.65	9.61	8.50	8.77	8.00	0.84	0.50	5.46	5.00	5.46	-----	-----	7510
1.83	1.65	8.93	8.50	8.05	8.00	0.88	0.50	4.93	5.00	4.93	-----	32.00	6093
1.61	1.65	9.63	8.50	8.45	8.00	1.18	0.50	5.09	5.00	5.09	-----	35.00	6325
1.80	1.65	8.95	8.50	8.45	8.00	0.50	0.50	5.21	5.00	5.21	-----	35.00	7472
2.05	1.65	8.55	8.50	7.85	8.00	0.70	0.50	5.68	5.00	5.68	-----	32.00	6192
1.72	1.65	8.14	8.50	*7.32	8.00	0.82	0.50	5.26	5.00	5.26	-----	33.00	5876
1.73	1.65	8.41	8.50	*7.75	8.00	0.66	0.50	5.94	5.00	5.94	-----	26.75	6379
1.63	1.65	8.48	8.50	*7.60	8.00	0.88	0.50	5.05	5.00	5.05	-----	29.80	6235
1.75	1.65	8.67	8.50	*7.64	8.00	1.03	0.50	5.42	5.00	5.42	-----	-----	6571
1.93	1.65	9.25	8.50	8.43	8.00	0.82	0.50	5.24	5.00	5.24	-----	33.00	7430
1.66	1.65	9.59	8.50	8.99	8.00	0.60	0.50	5.26	5.00	5.26	-----	33.50	7259
1.90	1.65	8.87	8.50	8.51	8.00	0.36	0.50	10.62	10.00	10.62	-----	-----	7512
1.80	1.65	8.75	8.50	8.39	8.00	0.36	0.50	*9.40	10.00	9.40	-----	-----	7575
2.10	1.65	8.53	8.50	*7.70	8.00	0.88	0.50	10.57	10.00	10.57	-----	30.50	5913
1.82	1.65	8.74	8.50	7.94	8.00	0.80	0.50	10.35	10.00	10.35	-----	36.00	5877
1.76	1.65	9.20	8.50	8.32	8.00	0.88	0.50	*9.73	10.00	9.73	-----	38.00	6850
1.81	1.65	8.92	8.50	8.26	8.00	0.66	0.50	10.37	10.00	10.37	-----	60.00	6914
1.78	1.65	9.82	8.50	8.80	8.00	1.02	0.50	10.28	10.00	10.28	-----	35.00	7791
2.02	1.65	8.48	8.50	*7.58	8.00	0.90	0.50	10.33	10.00	10.33	-----	33.20	6226
1.67	1.65	9.17	8.50	8.45	8.00	0.72	0.50	*9.17	10.00	9.17	-----	33.00	6452
1.82	1.65	8.34	8.50	*7.46	8.00	0.88	0.50	10.83	10.00	10.83	-----	40.00	6064
1.86	1.65	8.89	8.50	8.17	8.00	0.72	0.50	*9.75	10.00	9.75	-----	31.50	7022
1.90	1.65	14.80	12.50	13.78	12.00	1.02	0.50	2.44	2.00	2.44	-----	-----	7513
1.94	1.65	13.11	12.50	12.41	12.00	0.70	0.50	2.49	2.00	2.49	-----	29.00	6613
1.92	1.65	12.69	12.50	12.09	12.00	0.60	0.50	2.42	2.00	2.42	-----	34.00	6893
2.25	1.65	12.32	12.50	*11.78	12.00	0.54	0.50	2.40	2.00	2.40	-----	30.50	6227
2.00	1.65	13.09	12.50	11.95	12.00	1.14	0.50	2.29	2.00	2.29	-----	31.50	6453
1.60	1.65	14.39	12.50	13.89	12.00	0.50	0.50	2.33	2.00	2.33	-----	31.00	7656
1.90	1.65	12.36	12.50	*11.78	12.00	0.58	0.50	2.73	2.00	2.73	-----	35.00	6285
1.71	1.65	13.48	12.50	12.62	12.00	0.86	0.50	4.46	4.00	4.46	-----	-----	7836
2.06	1.65	12.17	12.50	*11.60	12.00	0.57	0.50	4.44	4.00	4.44	-----	32.85	6280
1.86	1.65	15.92	16.50	*15.36	16.00	0.56	0.50	3.31	2.00	3.31	-----	7507	
1.72	1.65	16.80	16.50	16.11	16.00	0.69	0.50	2.58	2.00	2.58	-----	40.00	6303
*3.04	3.29	9.61	8.50	*7.55	8.00	2.06	0.50	4.27	4.00	4.27	-----	50.00	6036

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
			%
6459	Armour's Big Crop Fertilizers 4-8-4, ----	O. S. Headings, Milroy, -----	4.88
6926	Armour's Big Crop Fertilizers 4-8-4, ----	Kane Milling & Grocery Co., Kane, --	5.33
6225	Armour's Big Crop Fertilizers 4-8-4, ----	Andrew Karg, Oil City, -----	7.67
6958	Armour's Big Crop Fertilizers 4-8-4, ----	R. C. Mountser, Charleroi, -----	4.08
6677	Armour's Big Crop Fertilizers 4-8-4, ----	L. A. Stemler, Palmerton, -----	7.56
6368	Armour's Big Crop Fertilizers 4-8-4, ----	D. B. Swartz, Millerstown, -----	6.40
5874	Armour's Big Crop Fertilizers 4-8-4, ----	E. J. Welch, Plumville, -----	6.93
6419	Armour's Big Crop Fertilizers 4-12-4, ----	Chester Grove, West Milton, -----	7.00
6281	Armour's Big Crop Fertilizers 4-12-4, ----	West Apollo Milling Co., Apollo, ----	4.50
7511	Armour's Big Crop Fertilizers Special Mixture, -----	M. L. Bachman, Lebanon, -----	1.65
6322	Armour's Big Crop Fertilizers Tobacco Special, -----	Chaapels Feed Store, Williamsport, --	7.61
	BALTIMORE FERTILIZER CO., BALTIMORE, MD.		
7531	Honest 2-8-4, -----	Baltimore Fertilizer Co., Chambersburg, -----	2.75
7533	Honest 2-8-10, -----	Baltimore Fertilizer Co., Chambersburg, -----	3.12
	BAUGH & SONS CO., PHILADELPHIA, PA.		
7371	Baugh's Commercial Super Phosphate, -----	Thos. K. George, Homer City, -----	4.20
6201	Baugh's Commercial Super Phosphate, -----	Chas. M. Harter, Wapwallopen, -----	7.27
7019	Baugh's Commercial Super Phosphate, -----	Oliver F. Kleckner, New Ringgold, ---	7.30
6641	Baugh's Commercial Super Phosphate, -----	Orr & Graziar, Tyrone, -----	4.15
6044	Baugh's Commercial Super Phosphate, -----	W. S. Sassman, Ottsville, -----	6.70
7505	Baugh's Commercial Super Phosphate, -----	A. G. Sullers, Annville, -----	2.35
5820	Baugh's Commercial Super Phosphate, -----	Edward P. Wargo, Danville, -----	5.68
6559	Baugh's Complete Animal Base Fertilizer, -----	Estate George S. Snyder, Hatfield, --	7.00
7372	Baugh's Complete Animal Base Fertilizer, -----	Thos. K. George, Homer City, -----	4.00
6984	Baugh's Complete Animal Base Fertilizer, -----	M. S. Grayhill, Bareville, -----	10.68
7721	Baugh's Complete Animal Base Fertilizer, -----	C. M. Harter, Wapwallopen, -----	5.77
5882	Baugh's Complete Animal Base Fertilizer, -----	Homer City Feed Mills, Homer City, --	6.65
6706	Baugh's Complete Animal Base Fertilizer, -----	N. D. Hunsicker, Snyders, -----	5.45
7017	Baugh's Complete Animal Base Fertilizer, -----	Oliver F. Kleckner, New Ringgold, ---	6.60
7680	Baugh's Complete Animal Base Fertilizer, -----	Jas. Shero, Carrolltown, -----	4.95
7525	Baugh's Complete Animal Base Fertilizer, -----	W. B. Thompson & Son, Waynesboro, -----	2.35
6560	Baugh's Corn and Oats Fertilizer, -----	Estate George S. Snyder, Hatfield, --	7.50
6040	Baugh's Corn and Oats Fertilizer, -----	Greenville Coal & Ice Co., Greenville, --	4.49
5824	Baugh's Corn and Oats Fertilizer, -----	Edward P. Wargo, Danville, -----	7.37
7291	Baugh's Double Eagle Phosphate, -----	Dillsburg Grain & Milling Co., Dillsburg, -----	7.25
6200	Baugh's Double Eagle Phosphate, -----	Chas. M. Harter, Wapwallopen, -----	7.47
7720	Baugh's Double Eagle Phosphate, -----	Chas. M. Harter, Wapwallopen, -----	7.80
7018	Baugh's Double Eagle Phosphate, -----	Oliver F. Kleckner, New Ringgold, ---	7.57
7657	Baugh's Double Eagle Phosphate, -----	Schrimer Brothers, Belle Valley, -----	6.25
6145	Baugh's Double Eagle Phosphate, -----	C. F. Stover, Millheim, -----	7.21
7528	Baugh's Double Eagle Phosphate, -----	W. B. Thompson & Son, Waynesboro, -----	3.50
5821	Baugh's Double Eagle Phosphate, -----	Edward P. Wargo, Danville, -----	6.15
5091	Baugh's Fish, Bone and Potash, -----	Clinton County Cooperative Association, Lock Haven, -----	6.49
5999	Baugh's Fish, Bone and Potash, -----	Walter Foltz, Belleville, -----	7.40
5881	Baugh's Fish, Bone and Potash, -----	Homer City Feed Mills, Homer City, --	7.97

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
3.10	3.29	8.67	8.50	*7.61	8.00	1.06	0.50	4.22	4.00	4.22	-----	36.50	6459
*2.99	3.29	8.90	8.50	*7.72	8.00	1.18	0.50	4.42	4.00	4.42	-----	48.00	69.6
3.25	3.29	8.62	8.50	7.90	8.00	0.72	0.50	4.23	4.00	4.23	-----	36.80	6225
3.20	3.29	10.04	8.50	8.22	8.00	1.82	0.50	4.03	4.00	4.03	-----	40.00	6958
3.39	3.29	9.22	8.50	*7.40	8.00	1.82	0.50	4.24	4.00	4.24	-----	-----	6677
*2.89	3.29	9.03	8.50	8.05	8.00	0.98	0.50	4.26	4.00	4.26	-----	30.75	6308
3.33	3.29	8.47	8.50	*7.48	8.00	0.99	0.50	4.36	4.00	4.36	-----	38.00	5874
*2.56	3.29	13.02	12.50	11.92	12.00	1.10	0.50	4.90	4.00	4.90	-----	-----	6419
3.39	3.29	12.37	12.50	*11.59	12.00	0.78	0.50	4.46	4.00	4.46	-----	40.25	6281
1.73	1.65	9.77	9.50	9.49	9.00	0.28	0.50	3.44	3.00	3.44	-----	-----	7511
4.12	4.11	8.70	8.50	8.00	8.00	0.70	0.50	5.21	5.00	2.00	3.21	45.00	6322
1.54	1.64	10.56	-----	8.72	8.00	1.84	1.00	5.02	4.00	5.02	-----	-----	7531
1.47	1.60	10.63	-----	9.89	8.00	0.74	1.00	11.21	10.00	11.21	-----	-----	7533
1.79	1.65	8.98	8.00	8.34	8.00	0.64	-----	10.39	10.00	10.39	-----	34.00	7371
1.73	1.65	8.53	8.00	7.85	8.00	0.68	-----	10.89	10.00	10.89	-----	32.55	6201
1.65	1.65	9.34	8.00	8.54	8.00	0.80	-----	10.28	10.00	10.28	-----	32.50	7019
1.77	1.65	8.93	8.00	8.01	8.00	0.92	-----	10.03	10.00	10.03	-----	37.00	6641
1.79	1.65	8.95	8.00	8.13	8.00	0.80	-----	10.93	10.00	10.93	-----	29.00	6644
1.78	1.65	9.68	8.00	8.68	8.00	1.00	-----	11.67	10.00	11.67	-----	-----	7505
1.91	1.65	8.62	8.00	7.83	8.00	0.79	-----	10.69	10.00	10.69	-----	31.50	5820
1.66	1.65	8.81	8.00	8.19	8.00	0.62	-----	5.58	5.00	5.58	-----	30.00	6559
1.86	1.65	9.12	8.00	8.54	8.00	0.58	-----	5.33	5.00	5.33	-----	30.00	7372
1.68	1.65	9.21	8.00	8.51	8.00	0.70	-----	5.23	5.00	5.23	-----	-----	6954
1.69	1.65	9.44	8.00	8.92	8.00	0.52	-----	5.34	5.00	5.34	-----	29.00	7721
1.85	1.65	8.50	8.00	8.02	8.00	0.48	-----	5.21	5.00	5.21	-----	30.00	5882
2.46	1.65	9.34	6.00	8.36	8.00	0.98	-----	6.22	5.00	6.22	-----	28.60	6706
1.84	1.65	8.89	8.00	8.19	8.00	0.70	-----	5.24	5.00	5.24	-----	29.25	7017
1.90	1.65	9.21	8.00	8.39	8.00	0.82	-----	5.27	5.00	5.27	-----	30.00	7689
1.78	1.65	9.29	8.00	8.57	8.00	0.72	-----	5.42	5.00	5.42	-----	-----	7525
2.00	1.65	12.85	12.00	12.35	12.00	0.50	-----	2.36	2.00	2.36	-----	31.00	6560
1.95	1.65	13.65	12.00	12.77	12.00	0.88	-----	2.56	2.00	2.56	-----	30.00	6940
2.07	1.65	12.78	12.00	11.89	12.00	0.89	-----	2.62	2.00	2.62	-----	29.00	5824
1.85	1.65	10.70	10.00	10.12	10.00	0.58	-----	4.29	4.00	4.29	-----	-----	7291
1.82	1.65	11.29	10.00	10.39	10.00	0.90	-----	4.57	4.00	4.57	-----	29.80	6200
1.75	1.65	11.70	10.00	10.72	10.00	0.98	-----	4.69	4.00	4.69	-----	29.00	7720
1.79	1.65	11.02	10.00	10.34	10.00	0.68	-----	4.45	4.00	4.45	-----	30.00	7018
1.87	1.65	11.51	10.00	10.95	10.00	0.56	-----	4.14	4.00	4.14	-----	33.00	7657
1.88	1.65	11.15	10.00	10.23	10.00	0.92	-----	4.16	4.00	4.16	-----	26.00	6145
1.99	1.65	11.57	10.00	10.83	10.00	0.74	-----	4.63	4.00	4.63	-----	-----	7528
1.91	1.65	10.74	10.00	10.05	10.00	0.69	-----	4.40	4.00	4.40	-----	29.00	5821
3.69	3.30	8.43	8.00	*7.79	8.00	0.64	-----	4.42	4.00	4.42	-----	-----	6091
3.28	3.30	8.70	8.00	8.08	8.00	0.62	-----	4.66	4.00	4.66	-----	35.00	5999
*3.01	3.30	11.00	8.00	8.44	8.00	2.56	-----	4.69	4.00	4.69	-----	38.00	5881

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
			%
5850	Baugh's Half and Half Mixture with Potash, -----	Homer City Feed Mills, Homer City, -----	7.40
5825	Baugh's Peruvian Guano Substitute, -----	Edward P. Wargo, Danville, -----	5.91
5833	Baugh's Potato and Truck Special, -----	Edward P. Wargo, Danville, -----	5.68
5919	Baugh's Special Potato Manure, -----	Francis T. Baker, Lewisburg, -----	5.56
6561	Baugh's Special Potato Manure, -----	Estate George S. Snyder, Hatfield, -----	7.35
6939	Baugh's Special Potato Manure, -----	Greenville Coal & Ice Co., Greenville, -----	4.12
6144	Baugh's Special Potato Manure, -----	C. F. Stover, Millheim, -----	7.05
5860	Baugh's Special Potato Manure, -----	The Farmers Exchange, Indiana, -----	6.01
BOWER FERTILIZER COMPANY, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
6544	Bowker's Corn and Wheat Guano, -----	M. Bashlin, Warren, -----	6.10
7446	Bowker's Corn and Wheat Guano, -----	A. W. Cable, Brookville, -----	1.75
6831	Bokker's Corn and Wheat Guano, -----	Judson Cook, Lake Ariel, -----	4.55
6301	Bowker's Corn and Wheat Guano, -----	S. C. Hunter Co., Washington, -----	4.60
7487	Bowker's Corn and Wheat Guano, -----	W. B. Kirkendall, Nescopeck, -----	4.50
6284	Bowker's Potato Fertilizer with 6% Potash, -----	L. Todd Owens, Apollo, -----	4.39
7424	Bowker's Special Crop Grower, -----	B. F. Fink, Huntingdon, -----	4.85
7490	Bowker's Special Crop Grower, -----	W. J. Lutz, Berwick, -----	5.35
7440	Bowker's Superior Potash Compound, -----	Joe London, Cloe, -----	2.10
6921	Bowker's Superior Potash Compound, -----	Mitchell Hardware, Mt. Jewett, -----	4.40
6283	Bowker's Superior Potash Compound, -----	L. Todd Owens, Apollo, -----	6.75
W. S. CAPLES & SON, JOHNSTOWN, PA.			
6632	Corn and Potato Phosphate, -----	W. S. Caples & Son, Johnstown, -----	5.05
7697	Corn and Potato Phosphate, -----	W. S. Caples & Son, Johnstown, -----	4.27
CENTRAL CHEMICAL CO., HAGERSTOWN, MD.			
5981	Gro-All Excelsior, -----	N. G. Adams, Paxinos, -----	4.51
7520	Gro-All Excelsior, -----	Onwake Brothers, Greencastle, -----	2.25
7543	Gro-All Excelsior, -----	R. K. Yoder, Belleville, -----	4.62
6844	Gro-All Grain and Grass Grower, -----	R. B. Evans, Ebensburg, -----	5.40
6877	Gro-All Grain and Grass Grower, -----	E. E. Hepler, Klingerstown, -----	5.51
7123	Gro-All Grain and Grass Grower, -----	C. W. Thomas, Danville, -----	4.50
7521	Gro-All Imperial, -----	Onwake Brothers, Greencastle, -----	2.35
7121	Gro-All Imperial, -----	C. W. Thomas, Danville, -----	4.35
6883	Gro-All Planters Mixture, -----	E. E. Hepler, Klingerstown, -----	5.71
7524	Gro-All Planters Mixture, -----	Onwake Brothers, Greencastle, -----	2.30
7125	Gro-All Planters Mixture, -----	C. W. Thomas, Danville, -----	5.42
6509	Gro-All Potato Special, -----	F. B. Baker, Everett, -----	3.91
6649	Gro-All Potato Special, -----	M. R. Brumbaugh, Martinsburg, -----	4.78
6647	Gro-All Super Fish, -----	M. R. Brumbaugh, Martinsburg, -----	6.08
6523	Gro-All Super Fish, -----	Roy Claycomb, Osterburg, -----	6.43
6882	Gro-All Super Fish, -----	E. E. Hepler, Klingerstown, -----	5.94
7242	Gro-All Super Fish, -----	Roscoe Snyder, Friedens, -----	7.60
7147	Gro-All Super Fish, -----	Harvey Teitworth, Elysburg, -----	4.25
7542	Gro-All Super Fish, -----	R. K. Yoder, Belleville, -----	4.85
6366	Special Mixture, -----	A. Ulsh Sons, Millerstown, -----	4.75
THE COE-MORTIMER COMPANY, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
6203	E. Frank Coe's Complete Manure with 6% Potash, -----	A. F. Brown, Nescopeck, -----	6.80
6599	E. Frank Coe's Complete Manure with 6% Potash, -----	I. W. Scott Co., Pittsburgh, -----	8.31

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.23	1.23	16.28	17.00	10.70	10.60	5.58	7.00	5.22	5.00	5.22	-----	38 00	5850
4.15	4.12	9.02	8.00	8.22	8.00	0.80	-----	5.17	5.00	5.17	-----	39 00	5825
3.44	3.30	8.62	8.00	*7.63	8.00	0.99	-----	6.22	6.00	6.22	-----	37 00	5823
2.12	1.65	9.15	8.60	7.93	8.00	1.22	-----	5.25	5.00	5.25	-----	32 00	5919
1.67	1.65	8.90	8.00	8.36	8.00	0.54	-----	5.34	5.00	5.34	-----	30 00	6561
1.93	1.65	8.97	8.00	7.99	8.00	0.98	-----	5.48	5.00	5.48	-----	30 00	6939
2.02	1.65	10.03	8.00	9.31	8.00	0.72	-----	5.26	5.00	5.26	-----	25 35	6144
1.85	1.65	8.71	8.00	7.89	8.00	0.82	-----	5.64	5.00	5.64	-----	36 00	5860
1.68	1.65	9.26	9.00	*7.74	8.00	1.52	1.00	4.12	4.00	4.12	-----	35 00	6544
1.80	1.65	9.46	9.00	8.04	8.00	1.42	1.00	4.33	4.00	4.33	-----	39 50	7446
1.75	1.65	8.24	9.00	7.83	8.00	0.41	1.00	4.19	4.00	4.19	-----	24 00	6831
1.95	1.65	9.24	9.00	8.42	8.00	0.82	1.00	4.35	4.00	4.35	-----	40 00	6301
1.85	1.65	8.81	9.00	8.37	8.00	0.44	1.00	4.38	4.00	4.38	-----	28 75	7487
3.13	3.29	9.46	9.00	8.42	8.00	1.04	1.00	6.21	6.00	6.21	-----	39 15	6284
1.80	1.65	9.81	9.00	8.65	8.00	1.16	1.00	10.79	10.00	10.79	-----	36 00	7424
1.75	1.65	9.44	9.00	8.58	8.00	0.86	1.00	10.00	10.00	10.00	-----	32 00	7499
1.76	1.65	9.76	9.00	8.16	8.00	1.60	1.00	6.18	6.00	6.18	-----	30 55	7440
1.75	1.65	8.99	9.00	8.11	8.00	0.88	1.00	7.31	6.00	7.31	-----	40 00	6921
1.89	1.65	8.64	9.00	7.86	8.00	0.78	1.00	6.27	6.00	6.27	-----	31 75	6283
*1.77	2.00	9.44	8.00	7.62	6.00	1.82	2.00	7.13	6.00	7.13	-----	33 00	6632
1.83	2.00	11.86	8.00	9.86	6.00	2.00	2.00	6.36	6.00	6.36	-----	33 00	7697
1.46	1.65	8.28	8.50	*7.54	8.00	0.74	0.50	4.33	4.00	4.33	-----	31 00	5981
1.70	1.65	10.17	8.50	9.37	8.00	0.80	0.50	5.43	4.00	5.43	-----	-----	7520
1.78	1.65	9.16	8.50	8.52	8.00	0.64	0.50	5.12	4.00	5.12	-----	29 25	7543
1.70	1.65	12.92	12.50	12.20	12.00	0.72	0.50	2.73	2.00	2.73	-----	28 00	6841
1.74	1.65	13.07	12.50	12.25	12.00	0.82	0.50	2.40	2.00	2.40	-----	30 40	6877
1.66	1.65	13.00	12.50	12.30	12.00	0.70	0.50	2.64	2.00	2.64	-----	29 70	7123
1.68	1.65	9.13	8.50	8.45	8.00	0.68	0.50	10.48	10.00	10.48	-----	-----	7521
1.84	1.65	9.99	8.50	9.25	8.00	0.74	0.50	*6.98	10.00	6.98	-----	33 20	7121
1.01	0.82	9.16	8.50	7.94	8.00	1.22	0.50	5.87	6.00	5.87	-----	34 40	6883
0.90	0.82	8.32	8.50	7.98	8.00	0.34	0.50	6.62	6.00	6.62	-----	-----	7524
0.91	0.82	9.26	8.50	8.18	8.00	1.08	0.50	6.22	6.00	6.22	-----	26 70	7125
3.35	3.29	9.80	8.50	8.52	8.00	1.28	0.50	8.04	7.00	8.04	-----	40 00	6509
*3.08	3.29	9.25	8.50	8.41	8.00	0.84	0.50	7.02	7.00	7.02	-----	43 00	6649
1.86	1.65	12.79	12.50	11.97	12.00	0.82	0.50	6.67	6.00	6.67	-----	37 00	6647
1.63	1.65	13.75	12.50	12.23	12.00	1.52	0.50	5.93	6.00	5.93	-----	34 65	6523
*1.34	1.65	13.51	12.50	12.47	12.00	1.04	0.50	5.93	6.00	5.93	-----	35 85	6882
1.72	1.65	12.55	12.50	12.05	12.00	0.50	0.50	6.47	6.00	6.47	-----	35 00	7212
1.83	1.65	12.31	12.50	*11.61	12.00	0.70	0.50	6.11	6.00	6.11	-----	33 20	7147
1.89	1.65	13.15	12.50	12.23	12.00	0.92	0.50	6.18	6.00	6.18	-----	35 00	7542
*3.02	3.29	10.56	-----	*7.86	12.00	2.70	0.50	12.03	7.00	12.03	-----	37 50	6366
3.33	3.29	8.61	9.00	*7.67	8.00	0.94	1.00	6.42	6.00	6.42	-----	34 00	6203
3.29	3.29	8.76	9.00	8.14	8.00	0.62	1.00	6.98	6.00	6.98	-----	44 00	6599

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
7350	E. Frank Coe's Extra Potash Fertilizer, -----	Coburn Grain & Creamery Co., Coburn, -----	% 3.30
6153	E. Frank Coe's Extra Potash Fertilizer, -----	T. J. Malone, Coburn, -----	6.98
7048	E. Frank Coe's Extra Potash Fertilizer, -----	Geo. B. Thomas, Elimsport, -----	3.37
7483	E. Frank Coe's Universal Phosphate, -----	Frank Jacoby, Millville, -----	2.25
	THE CONSUMERS CHEMICAL CORPORATION, AFFILIATED WITH VIRGINIA-CAROLINA CHEMICAL CO., NEW YORK, N. Y.		
6673	Commander Brand, -----	W. A. Buck, Aquashicola, -----	3.00
6980	Commander Brand, -----	Wayne Gehman, Denver, -----	6.53
6820	Commander Brand, -----	Murray & Co., Honesdale, -----	6.16
6675	Truckers Pride Brand, -----	W. A. Buck, Aquashicola, -----	4.14
	DUMONT FERTILIZER CO., INC., PHILADELPHIA, PA.		
6447	Dumont's 2-8-5, -----	J. M. Gingrich, Palmyra, -----	2.97
7504	Dumont's 2-8-5, -----	J. M. Gingrich, Palmyra, -----	2.50
7672	Dumont's 2-8-5, -----	South Annville Club, Annville, -----	2.35
6445	Dumont's 2-8-10, -----	J. M. Gingrich, Palmyra, -----	1.71
7668	Dumont's 2-8-10, -----	South Annville Club, Annville, -----	2.57
7671	Dumont's 2-12-4, -----	South Annville Club, Annville, -----	3.75
6442	Dumont's 4-8-5, -----	J. M. Gingrich, Palmyra, -----	3.00
	AMOS EBY & CO., LEAMAN PLACE, PA.		
6993	Pequea High Grade, -----	Amos Eby & Co., Leaman Place, -----	7.58
6991	Pequea Special Potato, -----	Amos Eby & Co., Leaman Place, -----	8.87
6990	Pequea Valley Fertilizer, -----	Amos Eby & Co., Leaman Place, -----	8.51
7826	Pequea Valley Fertilizer, -----	Amos Eby & Co., Leaman Place, -----	5.80
	EUREKA CHEMICAL COMPANY, BALTIMORE, MD.		
6784	Eureka 2-8-5, -----	W. H. Nesbit, McConnellsburg, -----	2.73
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.		
7546	Farmers Best Yet, -----	Belleville Flour Mills, Belleville, -----	3.82
7114	Farmers Best Yet, -----	W. L. Burd & Co., Swengel, -----	5.82
6135	Farmers Best Yet, -----	Allan Espenshade, Middletown, -----	4.66
7534	Farmers Best Yet, -----	Farmers Fertilizers Work, Elizabethtown, -----	5.45
6378	Farmers Best Yet, -----	B. F. Horting, Newport, -----	5.37
7829	Farmers Club, -----	Farmers Fertilizers Work, Elizabethtown, -----	6.55
7833	Farmers I. X L., -----	Farmers Fertilizer Works Elizabethtown, -----	8.15
6382	Farmers I. X L., -----	B. F. Horting, Newport, -----	8.15
5900	Special Plant Food, -----	Farmers' Supply Co., Sunbury, -----	4.26
6384	Special Potato and Tobacco Manure, -----	B. F. Horting, Newport, -----	7.18
	W. C. FOLLMER, BENTON, PA.		
6348	Economy Phosphate 2-10-4, -----	W. C. Follmer, Benton, -----	4.65
7015	Economy Phosphate 2-10-4, -----	W. C. Follmer, Benton, -----	6.15
	GRIFFITH & BOYD CO., BALTIMORE, MD.		
6724	Griffith & Boyd Co.'s Farmers Potato Manure, -----	J. E. Callahan & Sons, Montoursville, -----	3.06
6862	Griffith & Boyd Co.'s Farmers Potato Manure, -----	Dayton Milling Co., Dayton, -----	4.59

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.60	1.65	9.24	9.00	8.46	8.00	0.78	1.00	10.41	10.00	10.41	-----	34 00	7350
1.78	1.65	8.80	9.00	7.94	8.00	0.86	1.00	10.36	10.00	10.36	-----	33 25	6153
1.79	1.65	9.44	9.00	8.04	8.00	1.40	1.00	11.30	10.00	11.30	-----	31 54	7048
1.73	1.65	11.71	11.00	10.41	10.00	1.30	1.00	6.24	6.00	6.24	-----	31 15	7483
1.77	1.65	8.76	9.00	7.84	8.00	0.92	1.00	10.91	10.00	10.91	-----		6673
1.77	1.65	8.21	9.00	*7.71	8.00	0.50	1.00	10.04	10.00	10.04	-----	30 00	6950
1.71	1.65	9.20	9.00	7.96	8.00	1.24	1.00	10.83	10.00	10.83	-----	37 60	6820
3.59	3.29	9.31	9.00	7.91	8.00	1.40	1.00	6.40	6.00	6.40	-----		6675
2.06	1.65	9.93	8.50	8.95	8.00	0.98	0.50	5.52	5.00	5.52	-----		6447
1.77	1.65	8.92	8.50	8.48	8.00	0.44	0.50	5.31	5.00	5.31	-----		7504
1.70	1.65	9.86	8.50	9.32	8.00	0.54	0.50	5.37	5.00	5.37	-----		7672
1.74	1.65	9.08	8.50	8.34	8.00	0.74	0.50	10.39	10.00	10.39	-----		6445
1.75	1.65	9.29	8.50	8.81	8.00	0.48	0.50	*9.57	10.00	9.57	-----	28 18	7668
1.80	1.65	14.39	12.50	14.07	12.00	0.32	0.50	3.86	4.00	3.86	-----	26.38	7671
3.63	3.28	10.09	-----	9.29	8.00	0.80	0.50	5.80	5.00	5.80	-----		6442
3.58	3.29	8.00	8.00	6.74	6.00	1.26	2.00	5.60	5.00	5.60	-----	37 00	6993
2.79	2.46	9.76	10.00	8.54	8.00	1.22	2.00	7.18	7.00	7.18	-----		6991
1.89	1.64	10.04	10.00	8.50	8.00	1.54	2.00	6.62	5.00	6.62	-----	30 00	6980
1.62	1.64	10.56	10.00	8.70	8.00	1.86	2.00	5.35	5.00	5.35	-----		7826
1.75	1.65	9.08	8.50	8.02	8.00	1.06	0.50	5.52	5.00	5.52	-----	29 50	6784
1.78	1.65	10.33	9.00	9.45	8.00	0.88	1.00	9.95	10.00	9.95	-----	32 00	7546
1.70	1.65	10.47	9.00	9.53	8.00	0.94	1.00	10.17	10.00	10.17	-----	33 00	7114
1.74	1.65	10.08	9.00	9.34	8.00	0.74	1.00	10.55	10.00	10.55	-----		6435
1.85	1.65	10.46	9.00	9.18	8.00	1.28	1.00	10.47	10.00	10.47	-----		7824
1.63	1.65	8.89	9.00	8.33	8.00	0.56	1.00	10.78	10.00	10.78	-----	29 50	6378
2.37	2.47	11.48	9.00	9.68	8.00	1.80	1.00	5.77	5.00	1.10	4.67	-----	7829
1.50	1.65	13.53	13.00	12.11	12.00	1.42	1.00	2.59	2.00	2.59	-----		7833
1.59	1.65	13.05	12.00	12.73	12.00	0.32	-----	2.76	2.00	2.76	-----	27 50	6382
4.29	-----	8.13	8.00	7.81	-----	0.32	-----	9.30	8.00	9.30	-----	60.00	5900
3.12	3.28	8.97	7.00	8.31	6.00	0.66	1.00	9.82	10.00	9.82	-----	36 50	6384
2.09	1.70	11.82	-----	*8.92	10.00	2.90	1.00	4.71	4.00	4.71	-----	28 00	6348
1.80	1.70	14.77	-----	11.15	10.00	3.62	1.00	5.45	4.00	5.45	-----	30 00	7015
1.22	0.82	9.12	9.00	8.22	8.00	0.90	1.00	6.96	6.00	6.96	-----	30 00	6724
1.05	0.82	9.03	9.00	8.09	8.00	0.94	1.00	6.07	6.00	6.07	-----	27 00	6862

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6033	Griffith & Boyd Co.'s Farmers Potato Manure, -----	J. F. Hogsett & Son, Uniontown, -----	6.97
7470	Griffith & Boyd Co.'s Farmers Potato Manure, -----	V. R. Kinley, Cogan Station, -----	4.30
6012	Griffith & Boyd Co.'s Farmers Potato Manure, -----	H. S. Limbert, Center Hall, -----	6.99
6177	Griffith & Boyd Co.'s Farmers Potato Manure, -----	Mahoning Hardware & Implement Co., Punxsutawney, -----	6.81
6288	Griffith & Boyd Co.'s Farmers Potato Manure, -----	W. M. Templeton & Sons, Huston, -----	5.51
5902	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	Houck & Cherrington, Catawissa, -----	6.85
7134	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	Houck & Cherrington, Catawissa, -----	3.32
6289	Griffith & Boyd Co.'s Gilt Edge Crop Guano, -----	W. M. Templeton & Sons, Huston, -----	5.98
7225	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	J. S. Artley, Muncy, -----	9.00
7175	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	Howard E. Degler, Bernville, -----	5.42
7090	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	Hartley & Blain, Turbotville, -----	5.87
6011	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	H. S. Limbert, Center Hall, -----	11.15
6401	Griffith & Boyd Co.'s High Grade Fish and Potash Mixture, -----	Frank Reece, Muncy, -----	8.59
6585	Griffith & Boyd Co.'s Nitro Crop Feeder, -----	Hoburg Brothers, Etna, -----	5.81
6489	Griffith & Boyd Co.'s Nitro Crop Feeder, -----	E. L. White, Danville, -----	6.00
6400	Griffith & Boyd Co.'s Special Formula, -----	Frank Reece, Muncy, -----	6.36
7226	Griffith & Boyd Co.'s Special Guano, -----	J. S. Artley, Muncy, -----	6.35
5904	Griffith & Boyd Co.'s Standard Guano, -----	Houck & Cherrington, Catawissa, -----	9.15
7406	Griffith & Boyd Co.'s Standard Guano, -----	E. L. White, Danville, -----	8.25
6999	Griffith & Boyd Co.'s Tobacco and Vegetable Grower, -----	Willis C. Herr, Strassburg, -----	8.53
S. M. HESS & BROTHER, INC., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
7553	Crop Grower, -----	G. H. Emerick, Center Hall, -----	3.87
6198	Crop Grower, -----	Chas. M. Harter, Wapwallopen, -----	6.42
6480	Crop Grower, -----	J. R. Iddings, Millburg, -----	3.26
6196	Superior Potash Mixture, -----	Chas. M. Harter, Wapwallopen, -----	5.38
6521	Superior Potash Mixture, -----	J. E. Jackson, Everett, -----	4.10
THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.			
6425	Hubbard's Complete Fertilizer, -----	H. J. Beam, Big Run, -----	6.52
7683	Hubbard's Complete Fertilizer, -----	Cove Cooperative Association, Curryville, -----	4.75
7290	Hubbard's Complete Fertilizer, -----	Dillsburg Grain & Milling Co., Dillsburg, -----	3.49
7234	Hubbard's Complete Fertilizer, -----	Neal S. Harrison, Forks, -----	3.50
7709	Hubbard's Complete Fertilizer, -----	John A. McGee Co., Clarion, -----	3.00
6007	Hubbard's Complete Fertilizer, -----	Reed McNitt, Milroy, -----	7.15
6868	Hubbard's Complete Fertilizer, -----	Tiger Hardware Co., Rossiter, -----	6.75
7292	Hubbard's Jersey Trucker, -----	Dillsburg Grain & Milling Co., Dillsburg, -----	2.05
6147	Hubbard's Jersey Trucker, -----	T. J. Malone, Cohurn, -----	4.16
7570	Hubbard's Jersey Trucker, -----	James McCullough, Jr., Kittanning, -----	2.77
6869	Hubbard's Jersey Trucker, -----	Tiger Hardware Co., Rossiter, -----	2.43
6250	Hubbard's Jersey Trucker, -----	Wm. H. Wall, Ambridge, -----	4.43

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.23	0.82	9.31	9.00	8.57	8.00	0.74	1.00	6.02	6.00	6.02	-----	30 00	6033
1.02	0.82	8.33	9.00	*7.69	8.00	0.64	1.00	7.31	6.00	7.31	-----	31 00	7470
0.84	0.82	8.67	9.00	7.87	8.00	0.80	1.00	*5.58	6.00	5.58	-----	28 25	6012
1.05	0.82	9.17	9.00	8.35	8.00	0.82	1.00	6.16	6.00	6.16	-----	37 50	6177
1.00	0.82	8.93	9.00	*7.67	8.00	1.26	1.00	6.14	6.00	6.14	-----	29 75	6288
1.89	1.65	9.11	9.00	8.01	8.00	1.10	1.00	11.10	10.00	11.10	-----	31 00	5902
1.84	1.65	9.50	9.00	8.22	8.00	1.28	1.00	10.48	10.00	10.48	-----	33 00	7134
1.68	1.65	9.91	9.00	9.07	8.00	0.84	1.00	*9.37	10.00	9.37	-----	35 00	6289
1.72	1.65	13.41	13.00	*11.75	12.00	1.66	1.00	*7.69	8.00	7.69	-----	34 00	7225
1.79	1.65	13.28	13.00	*11.76	12.00	1.52	1.00	8.24	8.00	8.24	-----	33 75	7175
1.77	1.65	12.93	13.00	*11.63	12.00	1.30	1.00	8.17	8.00	8.17	-----	33 00	7090
1.61	1.65	12.22	13.00	*11.79	12.00	0.43	1.00	7.96	8.00	7.96	-----	36 35	6011
1.70	1.65	12.50	13.00	*11.66	12.00	0.84	1.00	*7.15	8.00	7.15	-----	34 00	6401
*6.09	6.58	5.04	5.00	4.52	4.00	0.52	1.00	3.51	2.00	3.51	-----	53 00	6585
*5.10	6.58	6.74	5.00	6.52	4.00	0.22	1.00	5.35	2.00	5.35	-----	42 00	6489
1.68	1.65	11.12	11.00	*9.78	10.00	1.34	1.00	4.66	4.00	4.66	-----	30 00	6400
1.52	1.65	9.02	9.00	*7.76	8.00	1.26	1.00	6.20	5.00	6.20	-----	27 50	7226
2.01	1.65	12.62	13.00	*11.33	12.00	1.29	1.00	2.89	2.00	2.89	-----	29 50	5904
1.60	1.65	12.72	13.00	12.08	12.00	0.64	1.00	2.84	2.00	2.84	-----	30 00	7406
2.35	2.47	8.75	9.00	8.01	8.00	0.74	1.00	*2.48	3.00	2.48	-----	37 00	6999
1.70	1.65	9.73	9.00	8.73	8.00	1.00	1.00	4.52	4.00	4.52	-----	30 35	7353
1.78	1.65	8.65	9.00	8.13	8.00	0.52	1.00	4.56	4.00	4.56	-----	28 70	6198
1.74	1.65	8.87	9.00	8.03	8.00	0.84	1.00	4.52	4.00	4.52	-----	27 75	6480
1.78	1.65	9.16	9.00	8.24	8.00	0.92	1.00	10.02	10.00	10.02	-----	32 80	6196
1.67	1.65	9.04	9.00	8.24	8.00	0.80	1.00	10.12	10.00	10.12	-----	37 00	6521
1.73	1.64	12.83	13.00	*11.21	12.00	1.62	1.00	2.73	2.00	2.73	-----	33 00	6425
1.69	1.64	13.46	13.00	12.00	12.00	1.46	1.00	2.18	2.00	2.18	-----	31 50	7683
1.50	1.64	12.95	13.00	12.03	12.00	0.92	1.00	2.70	2.00	2.70	-----		7290
1.70	1.64	13.46	13.00	12.54	12.00	0.92	1.00	2.26	2.00	2.26	-----	30 00	7234
*1.43	1.64	12.87	13.00	11.81	12.00	1.06	1.00	3.06	2.00	3.06	-----	44 00	7709
1.83	1.64	13.44	13.00	*11.56	12.00	1.88	1.00	2.32	2.00	2.32	-----	25 90	6007
1.75	1.64	13.71	13.00	*11.63	12.00	2.08	1.00	2.19	2.00	2.19	-----	28 75	6868
1.82	1.64	9.63	9.00	8.95	8.00	0.68	1.00	9.98	10.00	9.98	-----		7292
2.02	1.64	8.42	9.00	8.10	8.00	0.32	1.00	9.85	10.00	9.85	-----	32 25	6147
1.64	1.64	9.34	9.00	8.24	8.00	1.10	1.00	10.34	10.00	10.34	-----	30 00	7570
1.86	1.64	8.55	9.00	*7.61	8.00	0.94	1.00	10.50	10.00	10.50	-----	30 75	6869
1.68	1.64	9.25	9.00	8.01	8.00	1.24	1.00	10.54	10.00	10.54	-----	37 50	6250

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
			%
7343	Hubbard's Money Maker Fertilizer, ----	Coburn Grain & Creamery Co., Co- burn, ----	3.00
5859	Hubbard's Money Maker Fertilizer, ----	J. T. Davis, Blairsville, ----	3.88
7293	Hubbard's Money Maker Fertilizer, ----	Dillsburg Grain & Milling Co., Dills- burg, ----	4.32
6231	Hubbard's Money Maker Fertilizer, ----	Andrew Karg, Oil City, ----	5.36
6148	Hubbard's Money Maker Fertilizer, ----	T. J. Malone, Coburn, ----	4.85
7411	Hubbard's Money Maker Fertilizer, ----	Solomon & Waltz, Jersey Shore, ----	2.27
7392	Hubbard's 2-10-6 Fertilizer, ----	Neal S. Harrison, Forks, ----	1.67
7349	Hubbard's 4-8-4 Fertilizer, ----	Coburn Grain & Creamery Co., Coburn, ----	4.70
6146	Hubbard's 4-8-4 Fertilizer, ----	F. J. Malone, Coburn, ----	7.35
6252	Hubbard's 4-8-4 Fertilizer, ----	Wm. H. Wall, Ambridge, ----	4.19
6780	Hubbard's 4-8-6 Fertilizer, ----	Gates Hardware, Curwensville, ----	4.48
6241	Hubbard's 4-8-7 Fertilizer, ----	J. L. Alcorn, Titusville, ----	4.74
	INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO FER- TILIZER WORKS, BUFFALO, N. Y.		
7332	Buffalo Supreme, ----	B. Corwin, Pleasantville, ----	6.90
	THE JARECKI CHEMICAL CO. (ARMOUR OWNED), SAN- DUSKY, OHIO.		
6038	Jarecki's High Grade Potato 2-8-10, ----	Fayette Farmers Supply, Uniontown, ----	5.90
7322	Jarecki's High Grade Potato 2-8-10, ----	S. P. Marsh, Oil City, ----	5.40
6779	Jarecki's Potato and Trucker, ----	Meyers Mill, Clearfield, ----	5.76
7640	Jarecki's 1-12-1 Lake Erie Fertilizer, ----	C. Mitchell & Son, Mill Village, ----	3.77
6248	Jarecki's 2-8-10 Fertilizer, ----	J. L. Alcorn, Titusville, ----	7.52
6765	Jarecki's 3-8-6 Fertilizer, ----	L. E. Hess, Philipsburg, ----	8.81
6532	Jarecki's 3-8-6 Fertilizer, ----	Rigeway Grist Mills, Rigeway, ----	6.50
6766	Jarecki's 4-12-4 Fertilizer, ----	L. E. Hess, Philipsburg, ----	1.55
	KEYSTONE BONE FERTILIZER COM- PANY, PHILADELPHIA, PA.		
6208	Keystone Blue Ribbon Potato Manure, ----	Peter K. Smith, Neseopeck, ----	5.42
6108	Keystone Ideal Potato and Tobacco Manure, ----	Alfred Bayer, Lenhartsville, ----	6.93
7186	Keystone Ideal Potato and Tobacco Manure, ----	Titus Merkel, Shoemakersville, ----	2.50
6698	Keystone Ideal Potato and Tobacco Manure, ----	F. S. Nester, New Ringgold, ----	4.82
6207	Keystone Ideal Potato and Tobacco Manure, ----	Peter K. Smith, Neseopeck, ----	5.40
6209	Keystone Mercer County Potato Special, ----	Peter K. Smith, Neseopeck, ----	6.22
7626	Keystone Superior Superphosphate and Potash, ----	Alfred Bayer, Lenhartsville, ----	5.10
6107	Keystone Superior Superphosphate and Potash, ----	Alfred Bayer, Lenhartsville, ----	6.66
7185	Keystone Twentieth Century Special, ----	Titus Merkel, Shoemakersville, ----	5.02
6659	Keystone Vegetable Guano, ----	F. S. Nester, New Ringgold, ----	3.35
	THE KEYSTONE GRANGE EXCHANGE HARRISBURG, PA.		
6843	Granger's Champion, ----	Wm. M. Gooderham, Patton, ----	4.75
	LANCASTER BONE FERTILIZER, INC., LANCASTER, PA.		
7816	Animal Base Special, ----	Lancaster Bone Fertilizer Company, Inc., Quarryville, ----	3.85
7299	Conestoga Brand Farmers Favorite, ----	J. E. Cook, Dillsburg, ----	5.65
7630	Conestoga Brand Farmers Favorite, ----	Frank H. Rentshler, Shartelsville, ----	4.90
7297	Conestoga Brand Fish Compound, ----	J. E. Cook, Dillsburg, ----	5.25
7278	Conestoga Brand Fish Compound, ----	Otto E. Knoll, Cherry Tree, ----	3.05

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.70	1.64	9.21	9.00	8.47	8.00	0.74	1.00	5.52	5.00	5.52	-----	30 75	7343
1.65	1.64	8.99	9.00	8.01	8.00	0.98	1.00	5.12	5.00	5.12	-----	33 00	5859
1.71	1.64	9.20	9.00	8.40	8.00	0.80	1.00	5.43	5.00	5.43	-----	-----	7293
2.12	1.64	9.48	9.00	8.38	8.00	1.10	1.00	5.43	5.00	5.43	-----	33 00	6231
1.93	1.64	8.37	9.00	*7.73	8.00	0.64	1.00	5.37	5.00	5.37	-----	29 75	6148
1.74	1.64	9.01	9.00	8.47	8.00	0.54	1.00	5.02	5.00	5.02	-----	29 50	7411
1.75	1.64	11.29	11.00	10.53	10.00	0.76	1.00	6.52	6.00	6.52	-----	31 50	7392
3.42	3.30	8.33	9.00	8.07	8.00	0.26	1.00	4.44	4.00	4.44	-----	34 00	7349
3.55	3.30	8.36	8.50	8.06	8.00	0.30	0.50	4.18	4.00	4.18	-----	36 50	6146
*2.95	3.30	8.90	8.50	8.14	8.00	0.76	0.50	5.25	4.00	5.25	-----	42 00	6252
3.32	3.28	8.80	9.00	8.06	8.00	0.74	1.00	6.24	6.00	6.24	-----	42 00	6780
3.19	3.28	8.51	9.00	7.97	8.00	0.54	1.00	7.42	7.00	7.42	-----	41 00	6241
1.95	1.60	9.86	9.00	9.34	8.00	0.52	1.00	*9.26	10.00	9.26	-----	-----	7332
2.06	1.65	9.08	8.50	8.32	8.00	0.76	0.50	*9.72	10.00	9.72	-----	42 00	6038
1.59	1.65	9.24	8.50	8.56	8.00	0.68	0.50	*9.69	10.00	9.69	-----	38 00	7332
3.50	3.29	9.17	8.50	8.11	8.00	1.06	0.50	4.24	4.00	4.24	-----	38 00	6779
0.90	0.82	14.09	12.50	12.49	12.00	1.00	0.50	1.30	1.00	1.30	-----	30 00	7640
1.90	1.65	9.46	8.50	8.62	8.00	0.84	0.50	10.19	10.00	9.50	0.69	35 00	6243
2.80	2.47	8.94	8.00	8.16	8.00	0.78	-----	*5.78	6.00	5.78	-----	36 00	6765
2.50	2.47	8.88	8.00	7.92	8.00	0.96	-----	5.91	6.00	5.91	-----	37 00	6532
3.10	3.29	12.78	12.50	12.06	12.00	0.72	0.50	4.19	4.00	4.19	-----	40 00	6766
3.35	3.30	9.76	9.00	8.30	8.00	1.46	1.00	6.41	6.00	1.30	5.11	36 50	6208
2.00	1.64	9.85	9.00	8.79	8.00	1.06	1.00	10.35	10.00	10.35	-----	31 50	6108
2.05	1.64	9.53	9.00	8.23	8.00	1.30	1.00	10.31	10.00	10.31	-----	32 50	7186
1.98	1.64	9.82	9.00	8.52	8.00	1.30	1.00	10.89	10.00	10.89	-----	33 00	6698
2.08	1.64	9.81	9.00	8.79	8.00	1.02	1.00	10.17	10.00	10.17	-----	32 25	6307
3.57	3.30	10.06	9.00	8.46	8.00	1.60	1.00	4.60	4.00	4.60	-----	35 25	6209
0.95	0.82	9.54	9.00	8.62	8.00	0.92	1.00	6.62	6.00	6.62	-----	25 50	7626
1.00	0.82	9.81	9.00	8.87	8.00	0.94	1.00	*5.76	6.00	5.76	-----	26 00	6107
1.70	1.64	11.25	11.00	10.09	10.00	1.16	1.00	6.10	6.00	6.10	-----	30 65	7185
2.02	1.64	9.91	9.00	8.23	8.00	1.68	1.00	6.15	6.00	3.40	2.75	30 00	6699
3.25	3.30	9.13	8.00	8.67	8.00	0.46	-----	6.18	6.00	6.18	-----	36 50	6843
*2.15	2.40	14.22	13.00	12.96	12.00	1.26	1.00	3.77	3.00	3.77	-----	-----	7816
1.11	0.82	10.51	10.00	9.75	9.00	0.76	1.00	5.35	5.00	5.35	-----	-----	7299
1.00	0.82	9.26	10.00	8.06	9.00	0.20	1.00	5.63	5.00	5.63	-----	26 75	7600
1.71	1.60	9.36	9.00	9.08	8.00	0.28	1.00	4.52	4.00	4.52	-----	-----	7297
1.76	1.60	9.39	9.00	8.71	8.00	0.68	1.00	4.18	4.00	4.18	-----	32 00	7278

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
			%
7818	Conestoga Brand Harvest Queen, -----	Lancaster Bone Fertilizer Company Inc. Quarryville, -----	2.75
7581	Conestoga Brand Harvest Queen, -----	Thompsonstown Auto Co., Thompsonstown, -----	5.35
6618	Conestoga Brand Harvest Queen, -----	E. B. Fritz & Sons, Quarryville, -----	3.92
7821	Conestoga Brand Lancaster Peerless, --	Lancaster Bone Fertilizer Company Inc. Quarryville, -----	5.60
7579	Conestoga Brand Lancaster Peerless, --	Thompsonstown Auto Co., Thompsonstown, -----	4.32
7628	Conestoga Brand Potato and Vegetable Manure, -----	Frank H. Rentschler, Shartelsville, ---	2.30
7418	Conestoga Brand Potato and Vegetable Manure, -----	Solomon & Waltz, Jersey Shore, -----	1.02
7417	Conestoga Brand Tobacco Special, -----	Solomon & Waltz, Jersey Shore, -----	3.60
6867	Conestoga Brand Trucker's Success, ---	Johnson-Byer Hardware Co., Rural Valley, -----	6.36
7277	Conestoga Brand Trucker's Success, ---	Otto E. Knoll, Cherry Tree, -----	3.90
	LANCASTER CHEMICAL CO., LANCASTER, PA.		
7606	No. 5 Flag Brand, -----	C. F. Gelbach, Duncannon, -----	3.75
	LEBANON FERTILIZER WORKS, LEBANON, PA.		
6680	Levan's Two Eight Five, -----	John Bayer, Hamburg, -----	5.14
6624	Levan's Two Eight Five, -----	H. L. Herr & Brother, Quarryville, --	4.86
7805	Levan's Two Eight Five, -----	H. L. Herr & Brother, Quarryville, --	5.11
7586	Levan's Two Eight Five, -----	B. F. Horting, Newport, -----	7.00
7246	Levan's Two Eight Five, -----	Vincent Huber, Patton, -----	6.05
6696	Levan's Two Eight Five, -----	Harry Keefer, Pine Grove, -----	5.56
6666	Levan's Two Eight Ten, -----	Alvin R. Green, Lehighton, -----	4.99
7587	Levan's Two Eight Ten, -----	B. F. Horting, Newport, -----	4.45
7248	Levan's Two Eight Ten, -----	Vincent Huber, Patton, -----	4.90
5988	Levan's Two Eight Ten, -----	Wm. S. Kennedy, Mill Creek, -----	5.39
5965	Levan's Two Eight Ten, -----	Charles W. Thomas, Danville, -----	5.97
6670	Levan's Two Ten Six, -----	Alvin R. Green, Lehighton, -----	5.72
6683	Levan's Two Twelve Four, -----	John Bayer, Hamburg, -----	6.32
7003	Levan's Two Twelve Four, -----	William Z. Kintzel, Pine Grove, -----	6.50
6321	Levan's Two Twelve Four, -----	Solomon & Waltz, Jersey Shore, -----	7.05
5963	Levan's Two Twelve Four, -----	Charles W. Thomas, Danville, -----	8.24
6665	Levan's Three Ten Six, -----	Alvin R. Green, Lehighton, -----	5.67
6330	Levan's Three Ten Six, -----	Solomon & Waltz, Jersey Shore, -----	6.58
6694	Levan's Four Eight Six, -----	Harry Keefer, Pine Grove, -----	5.50
	FRED E. LORD, ESPY, PA.		
5812	Columbia County Garden Special, -----	Fred E. Lord, Espy, -----	4.92
5809	Columbia County Potato Special, -----	Fred E. Lord, Espy, -----	4.68
7027	Columbia County Potato Special, -----	Fred E. Lord, Espy, -----	4.30
5811	Columbia County Spring Special, -----	Fred E. Lord, Espy, -----	6.38
7031	Columbia County Spring Special, -----	Fred E. Lord, Espy, -----	7.12
	THE MAPES FORMULA & PERUVIAN GUANO CO., NEW YORK, N. Y.		
6960	The Mapes Connecticut Valley Special, -----	Jos. K. Shultz, Washington Boro., --	3.37
6355	The Mapes Corn Manure, -----	W. H. Diehl, Northumberland, -----	7.00
6959	The Mapes General Tobacco Manure, ---	Jos. K. Shultz, Washington Boro., --	2.75
6354	The Mapes Potato Manure, -----	W. H. Diehl, Northumberland, -----	8.54
6566	The Mapes Potato Manure, -----	A. H. Weaver, Norristown, -----	8.88
	THE MILLER FERTILIZER CO., CO., BALTIMORE, MD.		
5840	Miller's 2-8-5, -----	M. C. Deitz & Son, Mechanicsburg, --	4.50
7162	Miller's 2-8-5, -----	John Phillips & Sons, Sunbury, -----	2.82
6774	Miller's 2-8-5, -----	Routch & Swartzel, Clearfield, -----	2.69
7636	Miller's 2-8-5, -----	Harvey S. Yoder, Hamburg, -----	3.00
7399	Miller's 2-12-5, -----	Samuel F. Rarig, Catawissa, -----	2.95

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.*						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.61	1.60	10.06	9.00	9.70	8.00	0.36	1.00	*4.74	5.00	4.74	-----	-----	7818
1.90	1.60	9.73	9.00	8.53	8.00	1.20	1.00	5.15	5.00	5.15	-----	27 00	7581
1.75	1.60	8.64	9.00	8.14	8.00	0.50	1.00	5.04	5.00	5.04	-----	28 50	6618
1.80	1.60	13.42	13.00	12.08	12.00	1.34	1.00	2.38	2.00	2.38	-----	-----	7821
1.70	1.60	13.65	13.00	12.53	12.00	1.12	1.00	2.66	2.00	2.66	-----	27 25	7579
1.53	1.65	8.75	9.00	8.43	8.00	0.32	1.00	11.00	10.00	11.00	-----	33 75	7628
1.60	1.65	8.99	9.00	8.55	8.00	0.44	1.00	9.93	10.00	9.93	-----	33 00	7418
4.22	4.10	8.19	9.00	*6.99	8.00	1.20	1.00	5.92	5.00	1.90	4.02	51 00	7417
3.33	3.29	9.07	9.00	8.61	8.00	0.46	1.00	4.44	4.00	4.44	-----	40 00	6897
3.07	3.20	9.68	9.00	8.74	8.00	0.94	1.00	4.45	4.00	4.45	-----	40 00	7277
1.75	1.64	11.88	-----	10.96	8.00	0.92	1.00	6.60	6.00	6.60	-----	28 00	7606
1.75	1.65	8.94	9.00	8.24	8.00	0.70	1.00	5.17	5.00	5.17	-----	31 75	6680
1.63	1.65	8.27	9.00	7.99	8.00	0.28	1.00	5.84	5.00	5.84	-----	-----	6624
2.00	1.65	7.96	9.00	*7.56	8.00	0.40	1.00	6.01	5.00	6.01	-----	-----	7805
1.76	1.65	8.23	9.00	8.03	8.00	0.20	1.00	5.38	5.00	5.38	-----	28 00	7586
1.69	1.65	7.64	9.00	*7.52	8.00	0.12	1.00	6.03	5.00	6.03	-----	30 00	7246
1.50	1.65	8.61	9.00	8.31	8.00	0.30	1.00	5.48	5.00	5.48	-----	-----	6696
1.60	1.65	9.11	9.00	8.39	8.00	0.72	1.00	10.15	10.00	10.15	-----	31 35	6666
1.54	1.65	8.55	9.00	8.41	8.00	0.14	1.00	9.84	10.00	9.84	-----	31 25	7587
1.80	1.65	8.55	9.00	8.45	8.00	0.10	1.00	10.26	10.00	10.26	-----	32 50	7248
1.50	1.65	8.46	9.00	8.06	8.00	0.40	1.00	10.07	10.00	10.07	-----	31 50	5985
*1.45	1.65	8.83	9.00	8.45	8.00	0.83	1.00	10.30	10.00	10.30	-----	32 50	5965
2.38	1.65	10.69	11.00	*9.65	10.00	1.04	1.00	*5.76	6.00	5.76	-----	30 00	6670
1.68	1.65	12.30	13.00	11.82	12.00	0.48	1.00	4.14	4.00	4.14	-----	32 60	6683
3.12	1.65	12.35	13.00	11.87	12.00	0.48	1.00	*0.87	4.00	0.40	0.47	39 50	7003
1.55	1.65	12.00	13.00	*11.64	12.00	0.36	1.00	4.69	4.00	4.20	0.49	31 50	6331
1.51	1.65	12.56	13.00	12.06	12.00	0.50	1.00	4.11	4.00	4.11	-----	31 10	5963
2.31	2.47	10.78	11.00	*9.59	10.00	1.19	1.00	6.04	6.00	6.04	-----	33 70	6665
2.31	2.47	10.28	11.00	9.94	10.00	0.34	1.00	6.32	6.00	6.32	-----	35 00	6330
*3.00	3.29	9.16	9.00	8.83	8.00	0.28	1.00	6.01	6.00	6.01	-----	-----	6694
5.31	4.93	11.58	7.25	8.88	7.00	2.70	0.25	5.69	5.00	5.69	-----	50 00	5812
2.09	1.64	10.64	8.50	8.40	8.00	2.24	0.50	11.31	10.00	11.31	-----	29 50	5809
1.89	1.64	9.95	8.50	8.81	8.00	1.14	0.50	10.69	10.00	10.69	-----	29 50	7027
1.95	1.64	11.76	10.50	10.68	10.00	1.08	0.50	2.71	2.00	2.71	-----	24 50	5811
1.95	1.64	12.05	10.50	10.65	10.00	1.40	0.50	2.69	2.00	2.69	-----	-----	7031
5.05	4.94	4.75	4.00	*3.41	4.00	1.34	-----	8.54	7.00	0.90	7.64	63 00	6960
2.59	2.47	10.20	10.00	8.98	8.00	1.22	2.00	3.83	3.00	2.40	1.43	38 00	6355
4.45	4.12	5.69	4.00	*3.47	4.00	2.22	-----	5.81	5.00	0.80	5.01	55 00	6959
3.34	3.29	8.19	8.00	7.83	7.00	0.36	1.00	6.72	5.00	6.72	-----	42 00	6354
3.57	3.29	8.69	8.00	8.05	7.00	0.64	1.00	5.88	5.00	3.30	2.08	45 00	6566
1.90	1.65	9.20	8.50	8.32	8.00	0.88	0.50	5.21	5.00	5.21	-----	-----	5840
1.75	1.65	8.84	8.50	8.12	8.00	0.72	0.50	5.31	5.00	5.31	-----	30 00	7162
1.77	1.65	8.60	8.50	*7.61	8.00	0.99	0.50	5.58	5.00	5.58	-----	34 00	6774
1.75	1.65	9.20	8.50	8.30	8.00	0.90	0.50	5.39	5.00	5.39	-----	28 10	7636
1.63	1.65	13.88	12.50	12.48	12.00	0.90	0.50	5.45	5.00	5.45	-----	31 50	7399

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
7093	Miller's Farmers Profit, -----	Hartley & Blaine, Turbotville, -----	4.15
6964	Miller's Farmers Profit, -----	G. W. Koser, Biglersville, -----	3.83
6871	Miller's Farmers Profit, -----	A. P. Merkel, Fleetwood, -----	4.52
7180	Miller's Farmers Profit, -----	P. S. Shoppell, Shoemakersville, -----	3.80
6398	Miller's Farmers Profit, -----	State Hospital, Danville, -----	4.60
7183	Miller's Grass and Grain, -----	P. S. Shoppell, Shoemakersville, -----	3.25
5921	Miller's No. 1 Potato and Vegetable Grower, -----	Francis T. Baker, Lewisburg, -----	5.65
6685	Miller's No. 1 Potato and Vegetable Grower, -----	P. S. Shoppell, Shoemakersville, -----	5.23
6965	Miller's Pimlico, -----	G. W. Koser, Biglersville, -----	2.29
6103	Miller's Pimlico, -----	George M. Kutz, Kutztown, -----	4.76
6339	Miller's Pimlico, -----	H. J. Lindner, Pottsgrove, -----	3.84
7033	Miller's Pimlico, -----	H. J. Lindner, Pottsgrove, -----	4.05
6772	Miller's Pimlico, -----	Stoutch & Swartzel, Clearfield, -----	2.69
6439	Miller's Pimlico, -----	J. A. Shuey, Hummelstown, -----	2.20
7635	Miller's Pimlico, -----	Harvey S. Yoder, Hamburg, -----	2.20
6496	Miller's Standard Phosphate, -----	S. F. Rarig, Catawissa, -----	3.87
6872	Miller's Vegetable Compound, -----	A. P. Merkel, Fleetwood, -----	6.46
7034	Miller's Wheat and Grass Grower, -----	H. J. Lindner, Pottsgrove, -----	6.27
NITRATE AGENCIES COMPANY, BALTIMORE, MD.			
6909	Naco Brand Equivalent 2-8-5, -----	Cooperative Grange Milling Co., Titus- ville, -----	7.07
6906	Naco Brand Equivalent 2-8-10, -----	Cooperative Grange Milling Co., Titus- ville, -----	6.98
6747	Naco Brand Equivalent 2-10-6, -----	Red Lion Exchange, Red Lion, -----	6.46
6908	Naco Brand 2-12-2, -----	Cooperative Grange Milling Co., Titus- ville, -----	9.30
6753	Naco Brand Equivalent 2-12-2, -----	Red Lion Exchange, Red Lion, -----	6.34
6912	Naco Brand 2-12-4, -----	Cooperative Grange Milling Co., Titus- ville, -----	9.48
7165	Naco Brand 2-12-4, -----	B. J. Geiger, Neffs, -----	3.40
6759	Naco Brand 2-12-4, -----	Red Lion Exchange, Red Lion, -----	7.40
6910	Naco Brand 3-12-3, -----	Cooperative Grange Milling Co., Titus- ville, -----	7.81
6767	Naco Brand 4-8-4, -----	Clearfield County Cooperative, Association, Clearfield, -----	1.75
6911	Naco Brand Equivalent 4-8-6, -----	Cooperative Grange Milling Co., Titus- ville, -----	7.30
6748	Naco Brand Equivalent 4-8-10, -----	Red Lion Exchange, Red Lion, -----	6.00
6760	Naco Brand Equivalent 6-8-4, -----	Red Lion Exchange, Red Lion, -----	2.30
G. OBER & SONS CO., BALTIMORE, MD.			
6985	Ober's Acco Potash Potato Guano, ----	Greenfield Farmers Association, Lan- caster, -----	8.61
6989	Ober's Bone Mixture, -----	Greenfield Farmers Association, Lan- caster, -----	11.03
6494	Ober's Red Seal Corn and Wheat Guano,	J. S. Cole, Millville, -----	10.16
7761	Ober's Red Seal Corn and Wheat Guano,	Peter Shaffer & Son, New Brighton,	2.85
6987	Ober's Special Compound for Tobacco,	Greenfield Farmers Association, Lan- caster, -----	7.58
7566	Ober's Special Plant Food, -----	Wm. Gates Estate, Kittanning, -----	5.70
6264	Ober's Special Plant Food, -----	M. Hoagland, Hermitage, -----	3.82
7774	Ober's Special Plant Food, -----	Petersburg Milling Co., Bessemer, -----	3.62
6988	Ober's Special Tobacco Mixture, -----	Greenfield Farmers Association, Lan- caster, -----	8.95
7467	Ober's Special Tobacco Mixture, -----	Solomon & Waltz, Jersey Shore, -----	3.72
6986	Ober's Standard 7% Southern Vegetable Compound, -----	Greenfield Farmers Association, Lan- caster, -----	8.19
7795	Ober's Starkey Truck Compound, -----	Adams & West, Slippery Rock, -----	5.15
6490	Ober's Starkey Truck Compound, -----	J. S. Cole, Millville, -----	6.98
6732	Ober's Starkey Truck Compound, -----	G. Alvin Poust, Hughesville, -----	6.29

PLETE FERTILIZERS—Continued.

NITRO-GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.66	1.65	11.37	10.50	10.61	10.00	0.76	0.50	4.44	4.00	4.44	-----	30 00	7093
1.71	1.65	11.20	10.50	10.68	10.00	0.52	0.50	4.22	4.00	4.22	-----	-----	6964
2.03	1.65	10.63	10.50	10.11	10.00	0.52	0.50	4.05	4.00	4.05	-----	28 50	6871
1.71	1.65	11.37	10.50	10.53	10.00	0.84	0.50	4.41	4.00	4.41	-----	30 00	7180
1.65	1.65	10.77	10.50	10.02	10.00	0.75	0.50	4.18	4.00	4.48	-----	-----	6398
1.91	1.65	10.18	9.50	9.44	9.00	0.74	0.50	3.08	3.00	3.08	-----	29 00	7183
3.15	3.30	8.67	8.50	8.29	8.00	0.38	0.50	4.13	4.00	4.13	-----	37 00	5921
3.33	3.30	8.99	8.50	7.91	8.00	1.08	0.50	4.35	4.00	4.35	-----	32 00	6685
1.61	1.65	9.11	8.50	8.30	8.00	0.81	0.50	10.21	10.00	10.21	-----	-----	6965
1.85	1.65	9.16	8.50	8.30	8.00	0.86	0.50	9.90	10.00	9.90	-----	29 50	6103
1.74	1.65	8.42	8.50	*7.60	8.00	0.82	0.50	10.30	10.00	10.30	-----	32 75	6339
1.69	1.65	9.15	8.50	8.11	8.00	1.04	0.50	10.59	10.00	10.59	-----	32 50	7033
1.92	1.65	8.95	8.50	7.83	8.00	1.12	0.50	10.17	10.00	10.17	-----	36 00	6772
1.69	1.65	8.23	8.50	*7.77	8.00	0.46	0.50	10.48	10.00	10.48	-----	35 00	6439
1.76	1.65	8.99	8.50	8.07	8.00	0.92	0.50	10.73	10.00	10.73	-----	31 50	7635
2.44	2.47	8.60	8.50	8.09	8.00	0.51	0.50	3.21	3.00	3.21	-----	30 50	6496
*3.23	4.12	9.56	8.50	8.58	8.00	0.98	0.50	*3.55	5.00	3.55	-----	36 00	6572
1.57	1.65	12.93	12.50	11.89	12.00	1.04	0.50	2.34	2.00	2.34	-----	29 00	7034
2.56	2.18	12.18	12.16	11.76	11.66	0.42	0.50	*6.33	6.66	6.33	-----	25 30	6909
2.25	2.05	10.45	10.50	9.83	10.00	0.62	0.50	*12.15	12.50	12.15	-----	28 30	6906
2.20	2.18	12.06	13.80	*11.04	13.30	1.02	0.50	*4.61	8.00	4.61	-----	-----	6747
2.34	1.65	13.13	12.70	12.43	12.00	0.70	0.70	3.24	2.00	3.24	-----	25 20	6908
3.04	1.83	13.81	14.00	*12.92	13.30	0.89	0.70	4.26	2.22	4.26	-----	-----	6758
2.35	1.65	13.37	12.50	12.71	12.00	0.66	0.50	*3.55	4.00	3.55	-----	26 50	6912
2.11	1.64	13.79	12.50	12.77	12.00	1.02	0.50	4.73	4.00	4.73	-----	26 45	7165
1.85	1.65	13.09	12.50	12.23	12.00	0.86	0.50	4.41	4.00	4.41	-----	-----	6759
2.70	2.47	11.81	12.50	*11.40	12.00	0.41	0.50	6.15	3.00	6.15	-----	29 45	6910
3.48	3.29	8.94	8.50	8.16	8.00	0.78	0.50	4.05	4.00	4.05	-----	35 00	6767
4.06	4.11	11.52	10.50	11.18	10.00	0.34	0.50	*5.78	7.50	5.20	0.58	31 50	6911
*1.76	3.65	11.26	9.38	10.92	8.88	0.34	0.50	*8.37	11.11	8.37	-----	-----	6748
6.05	5.79	10.09	9.90	9.71	9.40	0.38	0.50	5.33	4.70	5.33	-----	-----	6760
*3.91	4.12	8.44	8.00	7.66	7.00	0.78	1.00	4.89	5.00	1.30	3.59	35 20	*985
1.71	1.65	10.47	10.00	9.29	9.00	1.18	1.00	5.60	5.00	5.60	-----	-----	6959
1.81	1.65	12.64	13.00	11.98	12.00	0.66	1.00	2.59	2.00	2.59	-----	30 00	6494
1.70	1.65	15.06	13.00	14.06	12.00	1.00	1.00	2.72	2.00	2.72	-----	31 00	7761
2.73	2.47	9.25	9.00	8.53	8.00	0.72	1.00	3.26	3.00	-----	3.26	31 00	6987
1.59	1.65	11.28	10.00	9.86	9.00	1.42	1.00	6.00	5.00	6.00	-----	35 00	7566
1.81	1.65	9.83	10.00	*8.63	9.00	1.20	1.00	*4.73	5.00	4.73	-----	32 00	6264
1.73	1.65	11.77	10.00	10.39	9.00	1.38	1.00	5.78	5.00	5.78	-----	31 50	7774
1.53	1.65	11.82	9.00	10.40	8.00	1.42	1.00	*7.10	10.00	3.00	4.10	31 00	6983
1.69	1.65	9.82	9.00	9.28	8.00	0.54	1.00	*9.67	10.00	1.20	8.47	35 50	7467
*4.63	5.76	8.47	7.00	7.61	6.00	0.86	1.00	6.39	5.00	6.39	-----	40 45	6986
3.51	3.30	9.25	9.00	8.55	8.00	0.70	1.00	5.73	5.00	5.73	-----	40 00	7795
*2.90	3.30	9.63	9.00	8.71	8.00	0.92	1.00	5.17	5.00	5.17	-----	40 00	6490
3.48	3.30	9.45	9.00	8.59	8.00	0.86	1.00	5.10	5.00	5.10	-----	34 00	6732

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
			%
6944	Ober's Starkey Truck Compound, -----	Thompson & Glenn, Butler, -----	7.89
5846	Ober's Superior Potato and Vegetable Grower, -----	W. B. Barnitz, Carlisle, -----	5.54
6937	Ober's Superior Potato and Vegetable Grower, -----	John W. White, Jamestown, -----	6.59
6493	Ober's Swan E Fish Guano, -----	J. S. Cole, Millville, -----	6.38
7775	Ober's Swan E Fish Guano, -----	Petersburg Milling Co., Bessemer, ----	3.25
6936	Ober's Swan E Fish Guano, -----	John W. White, Jamestown, -----	8.42
	OXFORD PACKING WORKS, OXFORD, PA.		
6580	O. P. No. 1, -----	Oxford Packing Works, Oxford, -----	6.66
6791	O. P. W. Special, -----	Oxford Packing Works, Oxford, -----	4.82
	OYLER & SPANGLER FERTILIZER WORKS, INC., GETTYSBURG, PA.		
6842	O. & S. Excelsior, -----	Oyler & Spangler, Fertilizer Works, Gettysburg, -----	4.12
6838	O. & S. Imperial, -----	Oyler & Spangler, Fertilizer Works, Gettysburg, -----	4.03
	PATAPSCO GUANO COMPANY, SUB- SIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., BALTI- MORE, MD.		
6293	Patapasco Pennsylvania Special, -----	Russell Brothers, Washington, -----	4.13
6294	Patapasco Special Complete Manure, ----	Russell Brothers, Washington, -----	4.79
6931	Patapasco Wheat Special, -----	H. F. Gelbach, Evans City, -----	9.05
	PATUXENT GUANO COMPANY, BALTIMORE, MD.		
6437	Patuxent Champion Fertilizer, -----	John M. Burkholder, Hummelstown, --	2.86
7288	Patuxent Champion Fertilizer, -----	Dillsburg Grain & Milling Co., Dills- burg, -----	3.00
7407	Patuxent Champion Fertilizer, -----	Charley Smithgall, Montoursville, ----	5.12
6483	Patuxent Champion Fertilizer, -----	W. H. Snyder, Winfield, -----	2.97
7597	Patuxent Tip Top Fertilizer, -----	Charles S. Brenner, New Bloomfield, ---	3.55
5836	Patuxent Tip Top Fertilizer, -----	M. C. Deitz & Son, Mechanicsburg, ---	4.40
	PENNSYLVANIA FARMERS COOPERA- TIVE FEDERATION, PHILADEL- PHIA, PA.		
7766	P. F. C. F. 2-8-5, -----	Beaver County Cooperative Association, Beaver, -----	2.35
6956	P. F. C. F. 2-8-10, -----	Jas. E. Ramsey, Portersville, -----	8.45
7768	P. F. C. F. 2-12-2, -----	Beaver County Cooperative Association, Beaver, -----	1.75
7769	P. F. C. F. 4-8-4, -----	Beaver County Cooperative Association, Beaver, -----	2.12
7388	P. F. C. F. 4-8-4, -----	Clearfield County Cooperative Associa- tion, Clearfield, -----	3.65
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.		
6018	Piedmont High Grade Vegetable Grower, -----	Thos. H. Gallentine, Scottdale, -----	9.04
6591	Piedmont High Grade Vegetable Grower, -----	W. H. Heckert Sons, Bakerstown, -----	9.83
7726	Piedmont High Grade Vegetable Grower, -----	Edward F. Peters, Wapwallopen, -----	4.82
6184	Piedmont High Grade Vegetable Grower, -----	Reynoldsville Hardware Co., Reynolds- ville, -----	7.61
7719	Piedmont High Grade Ammoniated Phosphate and Potash, -----	Edward F. Peters, Wapwallopen, -----	6.57
7718	Piedmont Ideal Wheat and Corn, -----	Edward F. Peters, Wapwallopen, -----	8.27
6141	Piedmont Perfection Guano, -----	Firestone & Shellitto, Dillsburg, -----	5.97
7267	Piedmont Perfection Guano, -----	Firestone & Shellitto, Dillsburg, -----	5.55
6183	Piedmont Perfection Guano, -----	Reynoldsville Hardware Co., Reynolds- ville, -----	9.14
7419	Piedmont Perfection Guano, -----	J. G. Simpson, Huntingdon, -----	3.75

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
*2.95	3.30	9.25	9.00	8.35	8.00	0.90	1.00	6.40	5.00	6.40	-----	42 00	6944
1.79	1.65	8.81	9.00	7.90	8.00	0.91	1.00	11.26	10.00	11.26	-----	29 00	5845
1.72	1.65	9.31	9.00	8.41	8.00	0.90	1.00	10.25	16.00	10.25	-----	33 00	6937
1.79	1.65	10.64	10.00	9.16	9.00	1.48	1.00	3.21	3.00	3.21	-----	30 00	6193
1.80	1.65	11.02	10.00	9.96	9.00	1.06	1.00	3.91	3.00	3.91	-----	30 50	7775
1.70	1.65	10.23	10.00	*8.72	9.00	1.51	1.00	3.14	3.00	3.14	-----	28 50	6936
1.80	1.64	9.93	9.00	8.85	8.00	1.08	1.00	5.92	5.00	5.92	-----	28 00	6580
1.78	1.64	8.71	9.00	7.81	8.00	0.90	1.00	11.90	10.00	11.90	-----	31 00	6791
1.52	1.65	8.81	8.50	8.13	8.00	0.68	0.50	5.83	5.00	5.83	-----	29 25	6842
1.70	1.65	8.52	8.50	*7.72	8.00	0.80	0.50	10.70	10.00	10.70	-----	-----	6838
1.80	1.65	9.25	9.00	8.19	8.00	1.06	1.00	10.82	10.00	10.82	-----	40 00	6293
2.54	2.47	8.79	9.00	8.03	8.00	0.74	1.00	4.86	4.00	4.86	-----	38 00	6294
1.75	1.65	13.75	13.00	12.00	12.00	1.75	1.00	4.77	4.00	4.77	-----	35 00	6931
1.84	1.65	8.76	9.00	*7.47	8.00	1.29	1.00	5.21	5.00	5.21	-----	30 00	6157
1.66	1.65	9.48	9.00	8.40	8.00	1.08	1.00	5.48	5.00	5.48	-----	-----	7285
1.51	1.65	9.62	9.00	8.50	8.00	1.12	1.00	5.14	5.00	5.14	-----	28 50	7467
1.73	1.65	8.95	-----	7.98	8.00	0.97	1.00	5.81	5.00	5.81	-----	30 50	6483
1.64	1.65	8.99	9.00	8.39	8.00	0.60	1.00	10.21	10.00	10.21	-----	33 50	7597
1.81	1.65	8.71	-----	8.15	8.00	0.56	1.00	10.27	10.00	10.27	-----	30 50	5836
1.73	1.65	10.51	9.00	9.03	8.00	1.48	1.00	5.86	5.00	5.30	0.56	27 75	7766
1.60	1.65	10.37	9.00	9.15	8.00	1.22	1.00	*9.54	10.00	9.54	-----	30 00	6956
1.95	1.65	15.84	13.00	13.18	12.00	2.66	1.00	2.60	2.00	2.60	-----	30 00	7768
3.35	3.29	10.78	9.00	8.96	8.00	1.82	1.00	5.13	4.00	5.13	-----	35 50	7769
3.35	3.29	10.78	9.00	8.96	8.00	1.82	1.00	4.79	4.00	4.79	-----	37 00	7358
1.93	1.65	9.31	9.00	7.99	8.00	1.32	1.00	10.36	10.00	10.36	-----	37 00	6018
1.88	1.65	9.25	9.00	8.03	8.00	1.22	1.00	*9.02	10.00	9.02	-----	36 00	6591
1.75	1.65	9.57	9.00	8.71	8.00	0.86	1.00	10.16	10.00	1.36	8.86	32 20	7726
1.79	1.65	9.87	9.00	8.37	8.00	1.50	1.00	10.13	10.00	10.13	-----	33 95	6184
2.32	2.47	10.12	9.00	8.76	8.00	1.36	1.00	3.14	3.00	3.14	-----	39 40	7719
1.70	1.65	12.72	11.00	10.00	10.00	2.72	1.00	2.41	2.00	2.41	-----	27 50	7718
1.85	1.65	10.00	9.00	8.48	8.00	1.52	1.00	6.16	5.00	6.16	-----	-----	6141
1.76	1.65	9.94	9.00	8.88	8.00	1.06	1.00	5.42	5.00	5.42	-----	-----	7207
1.75	1.65	9.90	9.00	8.51	8.00	1.48	1.00	5.60	5.00	5.60	-----	30 00	6183
1.74	1.65	9.72	9.00	8.26	8.00	1.46	1.00	6.63	5.00	6.63	-----	30 00	7419

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6508	Piedmont Unexcelled Guano, -----	Farmers Supply Co., Sunbury, -----	% 4.86
	RASIN-MONUMENTAL CO., SUB- SIDIARY OF THE VIRGINIA- CAROLINA CHEMICAL CO., BALTI- MORE, MD.		
6735	Rasin's Best Crop Formula, -----	W. L. Mitzel, Red Lion, -----	3.26
7263	Rasin's Best Crop Formula, -----	W. L. Mitzel, Red Lion, -----	4.37
6163	Rasin's Best Grain and Grass Formula, -----	R. L. Musser, Pennsylvania Furnace, -----	6.66
6078	Rasin's Best Potato Formula, -----	Roy J. Dunham, Wellsboro, -----	5.11
6488	Rasin's Nitro Top Dresser, -----	James W. Smith, Lerwick, -----	4.41
7486	Rasin's Universal Crop Manure, -----	H. D. Miller, Mifflinville, -----	1.50
6474	Rasin's Universal Crop Manure, -----	Geo. Morningstar, Entriken, -----	3.03
6077	Rasin's Vegetable Special, -----	Roy J. Dunham, Wellsboro, -----	6.25
7135	Rasin's Vegetable Special, -----	Ben. H. Levan, Catawissa, -----	2.27
5976	Rasin's Vegetable Special, -----	H. B. Low & Son, Orangeville, -----	6.50
6572	Rasin's Vegetable Special, -----	Oxford Grain & Hay Co., Oxford, -----	5.29
	READING BONE FERTILIZER CO., READING, PA.		
7169	Blood, Meat and Potash Mixture, -----	John W. Feick, Bernville, -----	5.35
7662	Blood, Meat and Potash Mixture, -----	Neal S. Harrison, Forks, -----	5.50
6116	Blood, Meat and Potash Mixture, -----	Reading Bone Fertilizer Co., Reading, -----	6.06
7624	Blood, Meat and Potash Mixture, -----	Simon H. Reigel, Hamburg, -----	4.80
7665	Reading All Crop Special, -----	Neal S. Harrison, Forks, -----	4.45
6113	Reading All Crop Special, -----	Reading Bone Fertilizer Co., Reading, -----	5.10
7610	Reading All Crop Special, -----	Simon H. Reigel, Hamburg, -----	3.00
7167	Reading Four Eight Six, -----	John W. Feick, Bernville, -----	2.80
6115	Reading Four Eight Six, -----	Reading Bone Fertilizer Co., Reading, -----	6.00
7625	Reading Four Eight Six, -----	Simon H. Reigel, Hamburg, -----	2.85
6216	Reading Four Eight Six, -----	B. C. Rice, Dallas, -----	6.69
6588	Reading One-Eight-Five, -----	Alex S. Campbell & Sons, Oakdale, -----	5.80
7166	Reading One-Eight-Five, -----	John W. Feick, Bernville, -----	4.05
6112	Reading One-Eight-Five, -----	Reading Bone Fertilizer Co. Reading, -----	6.45
7621	Reading One-Eight-Five, -----	Simon H. Reigel, Hamburg, -----	3.00
7168	Reading Two-Eight-Ten, -----	John W. Feick, Bernville, -----	5.30
6482	Reading Two-Eight-Ten, -----	H. A. Miller, Mifflinburg, -----	4.60
6111	Reading Two-Eight-Ten, -----	Reading Bone Fertilizer Co., Reading, -----	6.55
7622	Reading Two-Eight-Ten, -----	Simon H. Reigel, Hamburg, -----	2.57
6217	Reading Two-Eight-Ten, -----	B. C. Rice, Dallas, -----	5.78
	ROBERT A. REICHARD, INC., ALLENTOWN, PA.		
6100	Early Corn and Potato Phosphate, -----	Robert A. Reichard, Inc., Allentown, -----	9.54
6095	Famous 2-8-5, -----	Robert A. Reichard, Inc., Allentown, -----	5.01
6098	Lehigh Potato Manure, -----	Robert A. Reichard, Inc., Allentown, -----	7.41
6886	Special Truck Manure, -----	H. E. Buckman, East Mauch Chunk, -----	3.04
6097	Special Truck Manure, -----	Robert A. Reichard, Inc., Allentown, -----	6.46
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.		
5955	Royster's Banner Guano, -----	Geo. S. Chalfont, Milton, -----	6.45
6070	Royster's Banner Guano, -----	M. P. Close, Tioga, -----	6.18
7203	Royster's Banner Guano, -----	Firestone & Shellito, Dillsburg, -----	4.20
6050	Royster's Banner Guano, -----	Frank C. Lewis, Doylestown, -----	5.03
7325	Royster's Banner Guano, -----	E. L. McLlory, Utica, -----	3.65
6952	Royster's Banner Guano, -----	K. H. Peters & Co., Jackson Center, -----	4.87
7117	Royster's Banner Guano, -----	J. M. Rider, Millville, -----	3.65
7779	Royster's Banner Guano, -----	Thompson Brothers, Pulaski, -----	2.11
5957	Royster's Bully Guano, -----	Geo. S. Chalfont, Milton, -----	6.23
6135	Royster's Bully Guano, -----	Firestone & Shellito, Dillsburg, -----	4.20
7723	Royster's Bully Guano, -----	C. M. Harter, Wapwallopen, -----	4.85
6818	Royster's Bully Guano, -----	Wm. C. Headley, Waymart, -----	2.95
6051	Royster's Bully Guano, -----	Frank C. Lewis, Doylestown, -----	5.33
7218	Royster's Bully Guano, -----	McConnel Brothers, Hughesville, -----	1.82
6260	Royster's Bully Guano, -----	G. W. Walton Hardware Co., Beaver, -----	6.47

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
*2.95	3.29	10.36	9.00	8.62	8.00	1.74	1.00	4.16	4.00	4.16	-----	38 00	6508
1.84	1.65	10.43	11.00	*9.01	10.00	1.42	1.00	7.08	6.00	7.08	-----	29 50	6735
2.04	1.65	10.96	11.00	*9.32	10.00	1.64	1.00	6.48	6.00	6.48	-----	-----	7363
1.82	1.65	13.01	13.00	*11.03	12.00	1.98	1.00	4.69	4.00	4.69	-----	26 50	6163
3.55	3.29	8.44	9.00	7.94	8.00	0.50	1.00	*5.70	6.00	5.70	-----	38 00	6078
*6.86	8.23	6.57	5.00	6.17	4.00	0.40	1.00	4.67	4.00	4.67	-----	52 50	6488
1.80	1.65	8.25	9.00	7.89	8.00	0.36	1.00	5.66	5.00	5.66	-----	30 00	7486
1.77	1.65	8.89	9.00	8.05	8.00	0.84	1.00	5.35	5.00	5.35	-----	26 50	6474
1.85	1.65	9.25	9.00	8.51	8.00	0.74	1.00	10.53	10.00	10.53	-----	34 00	6077
1.86	1.65	8.50	9.00	8.00	8.00	0.50	1.00	10.65	10.00	10.65	-----	32 20	7135
1.79	1.65	9.18	9.00	8.46	8.00	0.72	1.00	10.24	10.00	10.24	-----	30 50	5976
1.73	1.65	8.50	9.00	*7.68	8.00	0.82	1.00	*9.63	10.00	9.63	-----	29 00	6572
2.00	1.64	9.29	9.00	8.57	8.00	0.72	1.00	4.07	4.00	4.07	-----	28 90	7169
1.91	1.64	10.18	9.00	9.06	8.00	1.12	1.00	4.05	4.00	4.05	-----	29 00	7662
1.62	1.64	8.43	9.00	*7.55	8.00	0.88	1.00	4.27	4.00	4.27	-----	-----	6116
1.88	1.64	9.55	9.00	8.47	8.00	1.08	1.00	*3.74	4.00	3.74	-----	30 00	7624
1.62	1.64	11.67	11.00	10.17	10.00	1.50	1.00	6.05	6.00	6.05	-----	31 50	7665
1.87	1.64	9.33	11.00	*8.48	10.00	0.85	1.00	*5.66	6.00	5.66	-----	-----	6113
1.70	1.64	11.21	11.00	9.89	10.00	1.32	1.00	6.52	6.00	6.52	-----	33 00	7620
3.41	3.29	9.62	9.00	8.60	8.00	1.02	1.00	6.89	6.00	6.89	-----	37 75	7167
*2.42	3.29	8.85	9.00	8.19	8.00	0.66	1.00	*5.22	6.00	5.22	-----	-----	6115
3.12	3.29	9.22	9.00	8.70	8.00	0.52	1.00	6.90	6.00	6.90	-----	38 00	7625
*2.52	3.29	9.44	9.00	8.50	8.00	0.94	1.00	*5.33	6.00	5.33	-----	37 50	6216
0.95	0.82	9.72	9.00	8.84	8.00	0.88	1.00	5.31	5.00	5.31	-----	29 00	6538
1.08	0.82	9.27	9.00	8.61	8.00	0.66	1.00	5.23	5.00	5.23	-----	15 95	7166
0.90	0.82	9.49	9.00	8.61	8.00	0.88	1.00	4.87	5.00	4.87	-----	-----	6112
1.00	0.82	9.83	9.00	9.11	8.00	0.72	1.00	5.23	5.00	5.23	-----	27 00	7621
1.95	1.64	8.84	9.00	8.08	8.00	0.76	1.00	10.34	10.00	10.34	-----	33 35	7168
2.02	1.64	8.91	9.00	8.01	8.00	0.93	1.00	*8.69	10.00	8.69	-----	-----	6482
1.66	1.64	8.19	9.00	*7.49	8.00	0.70	1.00	11.04	10.00	11.04	-----	-----	6111
1.84	1.64	9.35	9.00	8.60	8.00	0.66	1.00	9.83	10.00	9.83	-----	34 00	7622
1.72	-----	7.69	9.00	*6.89	8.00	0.80	1.00	11.38	10.00	11.38	-----	33 10	6217
2.30	2.46	11.89	11.00	10.45	10.00	1.44	1.00	6.12	6.00	6.12	-----	34 50	6160
1.82	1.64	8.83	9.00	*7.30	8.00	1.53	1.00	5.21	5.00	5.21	-----	28 50	6095
1.80	1.64	9.15	9.00	*7.73	8.00	1.42	1.00	10.40	10.00	10.40	-----	32 50	6078
3.55	3.28	10.57	9.00	*6.97	8.00	3.60	1.00	8.72	8.00	8.72	-----	40 00	6886
3.37	3.28	9.30	9.00	8.00	8.00	1.30	1.00	9.85	8.00	9.85	-----	38 00	6037
1.82	1.65	8.88	8.50	7.82	8.00	1.06	0.50	10.83	10.00	10.83	-----	35 50	5935
1.90	1.65	9.10	8.50	8.02	8.00	1.08	0.50	10.85	10.00	10.85	-----	34 00	6070
1.76	1.65	11.16	8.50	9.66	8.00	1.50	0.50	10.22	10.00	10.32	-----	-----	7203
1.78	1.65	9.39	8.50	8.05	8.00	1.34	0.50	10.73	10.00	10.73	-----	34 00	6050
1.80	1.65	9.16	8.50	8.04	8.00	1.12	0.50	10.97	10.00	10.97	-----	36 00	7325
1.75	1.65	9.46	8.50	7.94	8.00	1.52	0.50	10.91	10.00	10.91	-----	35 00	6952
1.77	1.65	10.43	8.50	8.17	8.00	2.26	0.50	10.59	10.00	10.59	-----	35 50	7117
1.82	1.65	10.22	8.50	8.52	8.00	1.70	0.50	10.68	10.00	10.68	-----	35 00	7779
1.95	1.65	9.13	8.50	8.19	8.00	0.94	0.50	5.46	5.00	5.46	-----	31 50	5957
2.83	1.65	9.57	8.50	8.45	8.00	1.12	0.50	6.29	5.00	6.29	-----	-----	6135
1.64	1.65	10.40	8.50	8.24	8.00	2.16	0.50	5.05	5.00	5.05	-----	18 50	7723
1.81	1.65	9.30	8.50	8.16	8.00	1.14	0.50	5.72	5.00	5.72	-----	33 75	6818
1.89	1.65	9.20	8.50	8.12	8.00	1.08	0.50	5.14	5.00	5.14	-----	30 00	6051
1.74	1.65	10.70	8.50	8.72	8.00	1.98	0.50	5.45	5.00	5.45	-----	32 00	7218
1.85	1.65	8.90	8.50	7.96	8.00	0.94	0.50	5.74	5.00	5.74	-----	37 50	6260

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
7157	Royster's Excello Guano, -----	Milton O. Lauver, Mt. Pleasant Mills, -----	3.55
6898	Royster's Rustic Guano, -----	J. L. Aleorn, Titusville, -----	6.64
6137	Royster's Rustic Guano, -----	Firestone & Shellito, Dillsburg, -----	4.66
7199	Royster's Rustic Guano, -----	Firestone & Shellito, Dillsburg, -----	4.62
6433	Royster's Special Truckee, -----	H. R. Brinser, Middletown, -----	2.96
5952	Royster's Special Truckee, -----	Geo. S. Chalfont, Milton, -----	5.25
7327	Royster's Special Truckee, -----	F. L. McLlory, Utica, -----	4.50
7780	Royster's Special Truckee, -----	Thompson Brothers, Pulaski, -----	3.30
6796	Royster's Special Truckee, -----	Weeks Hardware Co., Scranton, -----	5.23
7204	Royster's Vinn Guano, -----	Firestone & Shellito, Dillsburg, -----	4.30
6815	Royster's Vinn Guano, -----	Wm. C. Headley, Waymart, -----	4.15
7158	Royster's Vinn Guano, -----	Milton O. Lauver, Mt. Pleasant Mills, -----	2.30
6407	Royster's Vinn Guano, -----	J. M. Rider, Millville, -----	7.00
	SCHAAL-SHELDON FERTILIZER CO., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMI- CAL CO., BUFFALO, N. Y.		
7264	Schaal's Corn and Potato, -----	W. F. Tittle, Latrobe, -----	3.82
	THE SCOTT FERTILIZER COMPANY, FLETON, MD.		
6620	Scott's Potato and Truck Special, -----	S. Book & Brother, Quarryville, -----	3.12
	SHARON RENDERING & FERTILIZER WORKS, SHARON, PA.		
6266	Bone Phosphate and Potash, -----	Sharon Rendering & Fertilizer Works, Hermitage, -----	6.89
6265	1-9-5, Phosphate, -----	Sharon Rendering & Fertilizer Works, Hermitage, -----	6.86
	M. L. SHOEMAKER & CO., INC., PHILADELPHIA, PA.		
6557	Shoemaker's Swift Sure 10% Potato Special, -----	Wm. J. Tyson, Hatboro, -----	3.50
6998	Shoemaker's Swift Sure Special 4-8-5 Tobacco Formula, -----	Jos. C. Walker & Son Co., Gap, -----	7.19
7841	Shoemaker's Swift Sure Super Phosphate General Grower, -----	Jos. C. Walker & Son Co., Gap, -----	4.97
6556	Shoemaker's Swift Sure Super Phosphate General Use, -----	Wm. J. Tyson, Hatboro, -----	4.93
6555	Shoemaker's Swift Sure Super Phosphate Potato Grower, -----	Wm. J. Tyson, Hatboro, -----	5.54
	STANDARD CHEMICAL WORKS, WOMERSDORF, PA.		
6962	Cheapest in the End, -----	J. L. Enyeart, Shirleysburg, -----	3.74
6963	Potato and Truck Special, -----	J. L. Enyeart, Shirleysburg, -----	2.65
7667	Potato and Truck Special, -----	E. J. Otto, Hemdon, -----	2.65
	SWACKS FERTILIZER WORKS, DUBOIS, PA.		
6930	Swack's Corn and Wheat Fertilizer, -----	McCaulley & McKay Co., Brockway- ville, -----	3.12
7379	Swack's Corn and Wheat Fertilizer, -----	Swacks Fertilizer Works, DuBois, -----	3.62
7337	Swack's Potato and Truck Fertilizer, -----	Simon Eiseman, Meadville, -----	1.92
6928	Swack's Potato and Truck Fertilizer, -----	A. W. McClelland, Falls Creek, -----	2.67
7788	Swack's Potato and Truck Fertilizer, -----	P. J. Oesterling & Son, Butler, -----	1.50
7692	Swack's Potato and Truck Fertilizer, -----	Leonard Yeackle, Patton, -----	2.86
7338	Swack's Special Potato, -----	Simon Eiseman, Meadville, -----	6.40
7383	Swack's Special Potato, -----	Swacks Fertilizer Works, DuBois, -----	3.90
7339	Swack's Special Top Dressing, -----	Simon Eiseman, Meadville, -----	2.75
6770	Swack's Special Top Dressing, -----	Farmers Exchange, Clearfield, -----	3.07

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.84	1.65	15.21	12.50	12.89	12.00	2.32	0.50	4.16	4.00	4.16	-----	30 00	7157
2.60	2.47	13.43	12.50	12.19	12.00	1.24	0.50	3.08	3.00	3.08	-----	40 00	6893
2.71	2.47	13.20	12.50	12.08	12.00	1.12	0.50	3.49	3.00	3.49	-----	-----	6137
2.84	2.47	13.13	12.50	11.91	12.00	1.22	0.50	3.35	3.00	3.35	-----	-----	7199
3.36	3.29	9.85	8.50	8.65	8.00	1.20	0.50	5.39	5.00	5.39	-----	-----	6433
3.28	3.29	9.03	8.50	8.09	8.00	0.94	0.50	5.09	5.00	5.09	-----	39 75	5952
3.21	3.29	9.07	8.50	8.43	8.00	0.64	0.50	5.04	5.00	5.04	-----	39 00	7327
3.29	3.29	10.01	8.50	8.83	8.00	1.18	0.50	5.19	5.00	5.19	-----	38 25	7780
3.37	3.29	8.93	8.50	8.27	8.00	0.66	0.50	5.64	5.00	5.64	-----	45 00	6796
1.53	1.65	13.53	12.50	12.13	12.00	1.40	0.50	2.58	2.00	2.58	-----	-----	7204
2.05	1.65	13.22	12.50	11.92	12.00	1.30	0.50	2.47	2.00	2.47	-----	34 65	6815
1.84	1.65	12.68	12.50	*11.48	12.00	1.20	0.50	2.45	2.00	2.45	-----	23 50	7158
1.80	1.65	13.01	12.50	*11.70	12.00	1.31	0.50	2.43	2.00	2.43	-----	28 80	6407
1.84	1.65	9.48	9.00	7.98	8.00	1.50	1.00	4.08	4.00	4.08	-----	32 50	7264
1.87	1.65	9.16	-----	8.14	8.00	1.02	1.00	5.10	5.00	5.10	-----	27 00	6920
2.89	2.43	14.72	-----	*6.98	13.00	7.74	-----	6.53	5.00	6.58	-----	35 00	6216
0.84	-----	10.18	-----	9.86	9.00	0.32	-----	7.24	5.00	7.24	-----	27 00	6205
2.20	1.64	8.84	9.00	*7.30	8.00	1.54	1.00	12.59	10.00	12.59	-----	32 00	6557
3.47	3.26	12.12	9.00	9.18	8.00	2.94	1.00	5.87	5.00	0.90	4.97	-----	6938
1.70	1.65	10.63	9.00	9.13	8.00	1.50	1.00	5.75	5.00	5.75	-----	-----	7841
2.28	2.46	10.57	8.00	9.17	8.00	1.40	-----	4.48	3.00	4.48	-----	31 00	6576
3.53	3.23	11.12	11.00	8.72	8.00	2.40	3.00	8.16	7.00	8.16	-----	38 00	6555
*2.99	3.29	8.67	9.00	8.27	8.00	0.40	1.00	7.05	7.00	7.05	-----	40 65	6962
1.65	1.66	8.66	9.00	8.09	8.00	0.57	1.00	9.98	10.00	9.98	-----	30 50	6963
1.61	1.65	9.27	9.00	8.81	8.00	0.46	1.00	10.16	10.00	10.16	-----	33 00	7667
1.00	0.82	10.61	10.00	9.87	9.00	0.74	1.00	7.25	7.00	7.25	-----	28 00	6930
0.86	0.82	9.95	10.00	9.67	9.00	0.28	1.00	7.67	7.00	7.65	-----	27 85	7379
1.54	1.65	9.61	9.00	8.05	8.00	1.56	1.00	10.78	10.00	10.78	-----	34 00	7337
1.66	1.65	10.03	9.00	*7.55	8.00	2.48	1.00	10.02	10.00	10.02	-----	48 00	6928
1.70	1.65	10.47	9.00	8.11	8.00	2.26	1.00	*9.42	10.00	9.42	-----	35 00	7788
1.70	1.65	9.63	9.00	*7.71	8.00	1.92	1.00	10.35	10.00	10.35	-----	33 00	7692
1.95	1.65	12.53	11.00	10.49	10.00	2.04	1.00	*5.20	6.00	5.20	-----	32 00	7338
1.89	1.65	12.34	11.00	10.40	10.00	1.94	1.00	6.42	6.00	6.42	-----	31 85	7383
3.89	3.29	10.01	9.00	*7.75	8.00	2.26	1.00	6.85	6.00	6.85	-----	36 00	7339
3.19	3.29	12.63	9.00	8.28	8.00	4.35	1.00	6.63	6.00	6.63	-----	35 75	6770

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6929	Swack's Special Top Dressing, -----	A. W. McClelland, DuBois, -----	% 3.80
7382	Swack's Special Top Dressing, -----	Swacks Fertilizer Works, DuBois, ----	3.40
7336	Swack's Wheat Fertilizer, -----	Simion Eiseman, Meadville, -----	6.15
6769	Swack's Wheat Fertilizer, -----	Farmers Exchange, Clearfield, -----	4.78
7433	Swack's Wheat Fertilizer, -----	Mahoning Valley Milling Co., Punxsutawney, -----	3.75
7380	Swack's Wheat Fertilizer, -----	Swacks Fertilizer Works, DuBois, ----	6.22
7693	Swack's Wheat Fertilizer, -----	Leonard Yeackle, Patton, -----	7.30
SWIFT & COMPANY, BALTIMORE, MD.			
7405	Swift's Bone Meal Phosphate and Potash, 1 1/2-20-5, -----	J. C. Benfield, Milton, -----	3.67
6690	Swift's Champion Wheat and Corn Grower, 2-12-2, -----	J. C. Benfield, Milton, -----	3.91
7228	Swift's Champion Wheat and Corn Grower, 2-12-2, -----	J. C. Benfield, Milton, -----	4.80
6810	Swift's Champion Wheat and Corn Grower, 2-12-2, -----	H. G. Lake, Montrose, -----	5.22
6616	Swift's Golden Grain Grower 2-8-5, -----	E. B. Fritz & Sons, Quarryville, -----	2.76
7310	Swift's Golden Grain Grower 2-8-5, -----	J. T. Hertzler, Mechanicsburg, -----	2.42
6421	Swift's Golden Grain Grower 2-8-5, -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg, -----	2.36
7109	Swift's Golden Grain Grower 2-8-5, -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg, -----	3.05
7386	Swift's Golden Grain Grower 2-8-5, -----	Routch & Swartzle Co., Clearfield, -----	3.77
6056	Swift's Golden Grain Grower 2-8-5, -----	Adam Schmehl, North Wales, -----	4.41
6798	Swift's Golden Grain Grower 2-8-5, -----	S. G. Updegraff & Son, Williamsport, -----	4.28
6058	Swift's High Grade Potato Fertilizer, -----	Adam Schmehl, North Wales, -----	4.92
7293	Swift's High Grade Special 3-12-3, -----	S. R. Kline, Benton, -----	5.82
6022	Swift's High Grade Truckee 7-6-5, -----	R. H. Pritts, Scottdale, -----	4.79
6798	Swift's Hummer, -----	B. E. & J. F. Cockely, Seranton, -----	5.74
6053	Swift's Hummer, -----	Adam Schmehl, North Wales, -----	5.88
7012	Swift's Long Island Potato Manure 4-8-4, -----	W. C. Follmer, Benton, -----	7.70
6707	Swift's Long Island Potato Manure 4-8-4, -----	S. G. Updegraff & Son, Williamsport, -----	4.91
6449	Swift's Monmouth County Potato Manure 4-8-5, -----	Keystone Tractor & Implement Co., Palmyra, -----	3.86
6023	Swift's New Jersey Special 4-8-7, -----	R. H. Pritts, Scottdale, -----	5.25
6709	Swift's New Jersey Special 4-8-7, -----	S. G. Updegraff & Son, Williamsport, -----	4.44
6617	Swift's Planters' Favorite, -----	E. B. Fritz & Sons, Quarryville, -----	4.44
6671	Swift's Planters' Favorite, -----	Alvin R. Green, Leighton, -----	4.67
6054	Swift's Planters' Favorite, -----	Adam Schmehl, North Wales, -----	5.25
6109	Swift's Red Steer 2-8-5, -----	O. O. Sell, Kutztown, -----	4.56
7654	Swift's Red Steer 2-12-2, -----	West Side Feed Co., Erie, -----	4.30
6614	Swift's Red Steer 2-12-4, -----	E. B. Fritz & Sons, Quarryville, -----	6.25
7284	Swift's Red Steer 2-16-2, -----	Darius Waite, Bellefonte, -----	4.75
7655	Swift's Red Steer 3-8-6, -----	West Side Feed Co., Erie, -----	3.35
6057	Swift's Red Steer 4-8-10, -----	Adam Schmehl, North Wales, -----	5.32
6807	Swift's Red Steer 4-12-4, -----	H. G. Lake, Montrose, -----	6.30
6952	Swift's Red Steer 4-12-4, -----	Adam Schmehl, North Wales, -----	6.66
6672	Swift's Special Potato Fertilizer 2-8-10, -----	Alvin R. Green, Leighton, -----	3.99
6697	Swift's Special Potato Fertilizer 2-8-10, -----	S. D. Guldin, Schuylkill Haven, -----	3.58
7306	Swift's Special Potato Fertilizer 2-8-10, -----	J. L. Hertzler, Mechanicsburg, -----	4.27
6808	Swift's Special Potato Fertilizer 2-8-10, -----	H. G. Lake, Montrose, -----	3.37
6024	Swift's Special Potato Fertilizer 2-8-10, -----	R. H. Pritts, Scottdale, -----	3.90
6055	Swift's Special Potato Fertilizer 2-8-10, -----	Adam Schmehl, North Wales, -----	2.51
6712	Swift's Special Potato Fertilizer 2-8-10, -----	S. G. Updegraff & Son, Williamsport, -----	3.00
7013	Swift's Special Wheat and Corn Grower 2-10-4, -----	W. C. Follmer, Benton, -----	5.42
6025	Swift's Special Wheat and Corn Grower, 2-10-4, -----	R. H. Pritts, Scottdale, -----	5.41

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
		Total.		Available.		Insoluble.							
Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
%	%	%	%	%	%	%	%	%	%	%	%	\$	
*2.92	3.29	9.76	9.00	*7.14	8.00	2.62	1.00	7.49	6.00	7.49	-----	60 00	6929
3.14	3.29	10.00	9.00	8.12	8.00	1.88	1.00	6.31	6.00	6.31	-----	37 30	7382
1.85	1.65	14.18	13.00	12.50	12.00	1.68	1.00	2.36	2.00	2.36	-----	32 00	7336
1.83	1.65	13.61	13.00	11.85	12.00	1.70	1.00	2.64	2.00	2.64	-----	32 00	6769
1.90	1.65	14.41	13.00	12.59	12.00	1.82	1.00	2.66	2.00	2.66	-----	31.20	7493
1.87	1.65	14.45	13.00	12.71	12.00	1.74	1.00	2.04	2.00	2.04	-----	30 65	7389
1.90	1.65	13.71	13.00	12.09	12.00	1.62	1.00	2.19	2.00	2.19	-----	29 50	7613
1.99	1.23	20.52	20.00	*15 37	20.00	5.15	-----	6.44	5.00	6.44	-----	38 00	7405
1.70	1.65	12.91	12.00	12.45	12.00	0.46	-----	2.29	2.00	2.29	-----	27 00	6696
1.79	1.65	13.10	12.00	12.80	12.00	0.30	-----	2.43	2.00	2.43	-----	29 00	7225
1.67	1.65	12.67	12.00	12.29	12.00	0.38	-----	2.93	2.00	2.93	-----	37 00	6870
1.77	1.65	8.37	8.00	8.25	8.00	0.12	-----	5.22	5.00	5.22	-----	28 50	6616
1.99	1.65	8.78	8.00	8.46	8.00	0.32	-----	5.64	5.00	5.64	-----	-----	7310
1.64	1.65	8.24	8.00	8.02	8.00	0.22	-----	5.05	5.00	5.05	-----	23 00	6421
1.70	1.65	9.35	8.00	8.99	8.00	0.36	-----	5.16	5.00	5.16	-----	29 32	7109
1.58	1.65	8.48	8.00	8.28	8.00	0.20	-----	5.26	5.00	5.26	-----	40 00	7286
1.86	1.65	7.81	8.00	*7.53	8.00	0.28	-----	5.22	5.00	5.22	-----	-----	6076
1.69	1.65	9.76	8.00	9.38	8.00	0.38	-----	5.52	5.00	5.52	-----	35 00	6708
3.35	3.29	8.44	8.00	7.88	8.00	0.56	-----	6.36	6.00	6.26	-----	-----	6058
2.40	2.47	12.35	12.00	12.25	12.00	0.10	-----	3.53	3.00	3.53	-----	34 00	7233
6.03	5.76	6.39	6.00	5.93	6.00	0.46	-----	5.46	5.00	5.46	-----	42 10	6022
4.15	4.11	8.51	8.00	8.11	8.00	0.40	-----	5.95	5.00	5.95	-----	45 00	6798
4.31	4.11	8.30	8.00	7.96	8.00	0.34	-----	5.38	5.00	5.38	-----	-----	6053
*3.05	3.29	8.55	8.00	8.01	8.00	0.54	-----	4.41	4.00	4.41	-----	37 00	7012
3.20	3.29	9.29	8.00	8.69	8.00	0.60	-----	4.55	4.00	4.55	-----	42 00	6707
3.34	3.29	8.55	8.00	8.07	8.00	0.48	-----	5.35	5.00	5.35	-----	-----	6449
3.41	3.29	8.57	8.00	8.03	8.00	0.54	-----	7.63	7.00	7.63	-----	38 50	6023
3.32	3.29	8.52	8.00	8.14	8.00	0.38	-----	7.17	7.00	7.17	-----	45 00	6709
2.38	2.47	8.89	8.00	8.51	8.00	0.38	-----	3.03	3.00	3.03	-----	30 50	6617
2.54	2.47	8.34	8.00	8.04	8.00	0.30	-----	3.00	3.00	3.00	-----	33 00	6671
2.51	2.47	8.18	8.00	7.92	8.00	0.26	-----	3.34	3.00	3.34	-----	-----	6074
1.78	1.65	8.32	8.00	7.86	8.00	0.46	-----	5.00	5.00	5.00	-----	-----	6109
1.68	1.65	13.24	12.00	12.68	12.00	0.56	-----	2.34	2.00	2.34	-----	33 00	7654
1.65	1.65	11.71	12.00	*11.65	12.00	0.06	-----	4.35	4.00	4.35	-----	30 50	6614
1.66	1.65	17.18	16.00	16.70	16.00	0.48	-----	2.52	2.00	2.52	-----	34 00	7284
*2.19	2.47	10.54	8.00	9.42	8.00	1.72	-----	*4.82	6.00	4.82	-----	36 25	7655
3.00	3.29	8.64	8.00	8.28	8.00	0.36	-----	*9.03	10.00	9.03	-----	-----	6057
3.15	3.29	12.13	12.00	12.01	12.00	0.12	-----	4.49	4.00	4.49	-----	47 00	6807
3.42	3.29	11.79	12.00	*11.69	12.00	0.10	-----	4.73	4.00	4.73	-----	-----	6952
1.75	1.65	8.55	8.00	8.27	8.00	0.28	-----	10.10	10.00	10.10	-----	31 35	6672
1.85	1.65	8.33	8.00	8.03	8.00	0.30	-----	10.17	10.00	10.17	-----	35 00	6697
1.73	1.65	8.99	8.00	8.43	8.00	0.56	-----	10.41	10.00	10.41	-----	-----	7306
1.75	1.65	8.60	8.00	8.38	8.00	0.22	-----	10.45	10.00	10.45	-----	40 00	6808
1.80	1.65	7.83	8.00	*7.53	8.00	0.30	-----	10.49	10.00	10.49	-----	31 50	6724
1.87	1.65	8.55	8.00	8.15	8.00	0.40	-----	10.12	10.00	10.12	-----	-----	6075
1.80	1.65	8.69	8.00	8.05	8.00	0.64	-----	10.56	10.00	10.56	-----	38 00	6712
1.70	1.65	10.66	10.00	10.30	10.00	0.36	-----	4.41	4.00	4.49	-----	32 00	7013
1.73	1.65	10.61	10.00	10.03	10.00	0.58	-----	4.81	4.00	4.81	-----	28 00	6025

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.		%
7231	Champion Guano 2-10-1, -----	Preston Eves & Son, Millville, -----	6.80
6341	Champion Guano 2-10-1, -----	Geo. B. Kase, Danville, -----	9.12
6341	Farmer's Choice 2-12-2, -----	Preston Eves & Son, Millville, -----	8.78
7127	Farmer's Choice 2-12-2, -----	C. W. Thomas, Danville, -----	6.25
7459	Fish Mixture 1-8-5, -----	Bedford County Cooperative Association, Everett, -----	4.75
5960	Fish Mixture 1-8-5, -----	Charles W. Thomas, Danville, -----	7.78
7133	Fish Mixture 1-8-5, -----	Charles W. Thomas, Danville, -----	6.20
6343	Potato Fertilizer 2-9-6, -----	Geo. B. Kase, Danville, -----	8.30
6345	I. P. Thomas Special Potato Fertilizer 2-8-10, -----	Preston Eves & Son, Millville, -----	6.41
6205	I. P. Thomas Special Potato Fertilizer 2-8-10, -----	James Harman, Berwick, -----	8.10
7129	I. P. Thomas Special Potato Fertilizer 2-8-10, -----	C. W. Thomas, Danville, -----	6.92
6206	Tip Top Super-Phosphate 3-10-1, -----	James E. Harman, Berwick, -----	8.53
6340	Tip Top Super-Phosphate 3-10-1, -----	Geo. B. Kase, Danville, -----	8.64
7024	Tip Top Super-Phosphate 3-10-1, -----	Wm. J. Leaser, Andreas, -----	8.92
7023	Victor Potash Fertilizer 2-8-5, -----	Wm. J. Leaser, Andreas, -----	8.87
7515	Victor Potash Fertilizer 2-8-5, -----	Strickler & Gillan, Greencastle, -----	3.50
7305	7% Guano, -----	J. L. Hertzler, Mechanicsburg, -----	5.25
	F. W. TUNNELL & CO., INC., PHILADELPHIA, PA.		
6063	F. W. Tunnell & Co.'s Fish Manure with Potash, -----	L. R. Livengood, Pottstown, -----	8.53
6701	F. W. Tunnell & Co.'s Red Diamond Potato and Truch Guano, -----	F. S. Nester, New Ringgold, -----	5.65
	UNITED CHEMICAL PRODUCTS CO., BUENA VISTA, VA.		
6257	More-Crop High Grade Odorless Fertilizer, -----	Rochester Seed & Supply Co., Rochester, -----	5.23
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
7001	Lancaster County Farm Bureau Tobacco Mixture, -----	J. G. Hall, New Providence, -----	6.65
6125	Standard United States Ever-Green Fish Guano, -----	A. B. C. Williams, York Springs, -----	2.88
7052	Standard United States Mammoth Potato Grower, -----	David Farley, Montgomery, -----	3.20
7728	Standard United States Mammoth Potato Grower, -----	Fred E. Hess, Nescopeck, -----	5.00
6124	Standard United States Mammoth Potato Grower, -----	A. B. C. Williams, York Springs, -----	2.65
7729	Standard United States Mammoth Truck Grower, -----	Fred E. Hess, Nescopeck, -----	4.82
7731	Standard United States Rainbow Brand, -----	Fred E. Hess, Nescopeck, -----	8.35
7764	Standard United States Rainbow Brand, -----	Armour R. Mullan, Rochester, -----	1.25
6122	Standard United States Rainbow Brand, -----	A. B. C. Williams, York Springs, -----	4.63
7394	Standard United States Service Mixture, -----	William Rarig, Catawissa, -----	2.12
	VIRGINIA-CAROLINA CHEMICAL CO. (OF DELAWARE), NEW YORK, N. Y.		
6974	V-C Cotton Seed Formula for Tobacco, -----	Lancaster County Farmers Supply Co. Manheim, -----	3.25
6961	V-C Cotton Seed Formula for Tobacco, -----	J. K. Shultz Est., Washington Bero., -----	2.74
6927	V-C Double Owl Brand, -----	Fresbee Hardware Co., Connellsville, -----	8.84
6197	V-C Double Owl Brand, -----	Chas. M. Harter, Wapwallopen, -----	3.81
6662	V-C Eureka Brand, -----	Kemper Hardware Co., Lehighton, -----	4.45
6182	V-C Eureka Brand, -----	Reynoldsville Hardware Co., Reynoldsville, -----	6.02

PLETE FERTILIZERS—Continued.

FETTE FERTILIZERS														Continued.	
NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.		
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.				
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.								
%	%	%	%	%	%	%	%	%	%	%	%	\$			
1.81	1.65	12.32	10.50	11.46	10.00	0.86	0.50	4.25	4.00	3.80	0.45	30 00	7231		
1.75	1.65	11.93	10.50	10.37	10.00	1.56	0.50	4.59	4.00	4.59	-----	29 50	6341		
1.78	1.65	12.88	12.50	12.04	12.00	0.84	0.50	3.22	2.00	3.22	-----	-----	6344		
1.82	1.65	14.04	12.50	12.80	12.00	1.24	0.50	2.46	2.00	2.46	-----	29 70	7127		
1.05	0.82	9.77	8.50	8.65	8.00	1.12	0.50	5.14	5.00	5.14	-----	27 00	7459		
1.10	0.82	9.43	8.50	8.29	8.00	1.14	0.50	5.69	5.00	5.69	-----	25 70	5900		
1.00	0.82	9.76	8.50	8.84	8.00	0.92	0.50	5.60	5.00	5.69	-----	26 05	7173		
1.83	1.65	10.49	9.50	9.19	9.00	1.30	0.50	6.37	6.00	5.80	0.57	30 50	6342		
1.89	1.64	9.49	8.50	8.23	8.00	1.26	0.50	10.29	10.00	10.29	-----	30 00	6345		
1.81	1.64	9.22	8.50	8.26	8.00	0.96	0.50	10.59	10.00	10.59	-----	32 85	6105		
1.77	1.64	10.40	8.50	9.38	8.00	1.02	0.50	9.84	10.00	9.84	-----	33 20	7129		
2.38	2.45	11.67	10.50	10.39	10.00	1.28	0.50	4.04	4.00	4.04	-----	33 70	6206		
2.35	2.45	11.56	10.50	10.18	10.00	1.38	0.50	4.11	4.00	4.11	-----	33 25	5340		
2.48	2.45	11.66	10.50	10.22	10.00	0.84	0.50	4.18	4.00	4.18	-----	30 59	7024		
1.67	1.65	9.86	8.50	9.04	8.00	0.82	0.50	5.99	5.00	5.99	-----	26 92	7023		
1.86	1.65	10.03	8.50	9.29	8.00	0.74	0.50	5.50	5.00	5.50	-----	75 15	7515		
*4.71	5.75	9.42	-----	8.16	6.00	1.26	-----	6.28	5.00	5.90	0.38	-----	7205		
1.99	1.64	11.95	11.00	11.19	10.00	0.76	1.00	6.63	6.00	6.63	-----	34 00	6063		
1.99	1.64	9.77	9.00	8.77	8.00	1.00	1.00	10.00	10.00	10.00	-----	33 00	6701		
2.70	2.50	9.81	11.00	*9.53	10.00	0.28	1.00	4.16	4.00	4.16	-----	75 00	6257		
4.59	4.11	11.68	-----	9.92	8.00	1.76	-----	5.44	5.00	0.80	4.64	47 50	7001		
3.09	3.28	10.35	8.50	9.09	8.00	1.26	0.50	6.53	4.00	6.53	-----	24 70	6125		
1.57	1.64	9.26	8.50	8.16	8.00	1.10	0.50	10.74	10.00	10.74	-----	30 00	7052		
1.74	1.64	9.52	8.50	8.24	8.00	1.28	0.50	10.58	10.00	10.58	-----	30 40	7778		
1.75	1.64	11.02	8.50	8.72	8.00	2.30	0.50	11.79	10.00	11.79	-----	24 70	6124		
1.78	1.64	10.49	8.50	9.13	8.00	1.30	0.50	5.13	5.00	5.16	-----	25 50	7729		
1.63	1.64	14.29	12.50	12.81	12.00	1.48	0.50	2.47	2.00	2.47	-----	27 40	7731		
1.80	1.64	14.29	12.50	13.27	12.00	1.02	0.50	2.57	2.00	2.97	-----	35 00	7764		
1.83	1.64	15.15	12.50	13.53	12.00	1.62	0.50	2.40	2.00	2.40	-----	22 70	6122		
1.86	1.64	14.08	12.50	12.62	12.00	1.46	0.50	7.26	6.00	7.36	-----	27 95	7394		
4.39	4.12	5.32	5.00	4.98	4.00	0.34	1.00	6.00	5.00	-----	6.00	-----	6974		
4.50	4.12	5.71	5.00	5.38	4.00	0.33	1.00	5.89	5.00	1.00	4.89	45 00	6971		
3.48	3.29	10.43	9.00	*7.77	8.00	2.66	1.00	6.41	6.00	6.41	-----	44 00	6027		
3.45	3.29	8.64	9.00	8.22	8.00	0.42	1.00	6.21	6.00	6.21	-----	37 20	6197		
1.85	1.65	9.26	9.00	8.48	8.00	0.78	1.00	10.10	10.00	10.10	-----	36 50	6662		
1.83	1.65	9.22	9.00	8.28	8.00	0.94	1.00	10.51	10.00	10.51	-----	31 95	6162		

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6199	V-C Farm Jewel Brand, -----	Chas. M. Harter, Wapwallopen, -----	5.70
7267	V-C National Brand, -----	W. F. Tittle, Latrobe, -----	3.55
6221	V-C Sunset Brand, -----	Clyde Duffee, Oil City, -----	10.54
6194	V-C Sunset Brand, -----	C. M. Harter, Wapwallopen, -----	5.66
WASHINGTON, ALEXANDER & COOK CO., AFFILIATED WITH VIRGINIA- CAROLINA CHEMICAL CO., CHARLES TOWN, W. VA.			
5889	Wacco Champion Crop Producer, ---	E. S. Kelly, Gettysburg, -----	4.63
5887	Wacco Crop Grower, -----	E. S. Kelly, Gettysburg, -----	2.90
7198	Wacco Crop Grower, -----	E. S. Kelly, Gettysburg, -----	4.27
7495	Wacco Crop Grower, -----	Quarryville Farmers Association, Quarryville, -----	1.76
6968	Wacco Fish and Potash, -----	E. S. Kelly, Gettysburg, -----	4.46
7189	Wacco Fish and Potash, -----	E. S. Kelly, Gettysburg, -----	3.30
THE WATSONTOWN FERTILIZER CO., INC., WATSONTOWN, PA.			
6309	Crop Producer, -----	C. A. B. Bower, Montgomery, -----	5.16
5946	Crop Producer, -----	Watson town Fertilizer Co., Inc., Wat- son town, -----	9.65
7039	Crop Producer, -----	Watson town Fertilizer Co., Inc., Wat- son town, -----	2.70
6310	Soil Builder, -----	C. A. B. Bower, Montgomery, -----	4.52
5947	Soil Builder, -----	Watson town Fertilizer Co., Inc., Wat- son town, -----	6.15
7037	Soil Builder, -----	Watson town Fertilizer Co., Inc., Wat- son town, -----	2.86
WHITE ROSE PLANT FOOD CO., YORK, PA.			
6593	White Rose Plant Food, -----	Beckert Seed Co., Pittsburgh, -----	6.39
7753	White Rose Plant Food, -----	Beckert Seed Co., Pittsburgh, -----	4.99
6794	White Rose Plant Food, -----	Thos. F. Leonard, Scranton, -----	4.00
WILKES-BARRE FERTILIZER CO., INC., WILKES-BARRE, PA.			
6214	Wyoming Lawn and Garden Dressing.	Wilkes-Barre Fertilizer Co., Inc., Wilkes-Barre, -----	1.86
YORK CHEMICAL WORKS, YORK, PA.			
6858	General Crop, -----	R. W. Hamilton, Home, -----	5.42
6524	General Crop, -----	S. W. McLaren, Osceola Mills, -----	9.95
6754	General Crop, -----	Red Lion Exchange, Red Lion, -----	3.81
6859	Grain Special, -----	R. W. Hamilton, Home, -----	5.96
6751	Grain Special, -----	Red Lion Exchange, Red Lion, -----	5.11
7864	Grain Special, -----	Red Lion Exchange, Red Lion, -----	4.67
7435	Grain Special, -----	Geo. Wineberg, Big Run, -----	4.12
6942	Potato and Truck Fertilizer, -----	Geo. E. McQuiston, Grove City, -----	4.16
6973	R. B. Special, -----	York Chemical Works, York, -----	4.32
6752	Royal Mixture, -----	Red Lion Exchange, Red Lion, -----	4.39
6527	Royal Mixture, -----	Geo. W. Wineberg, Big Run, -----	5.88
6083	Spring Special, -----	C. J. Every, Mansfield, -----	7.62
6761	Spring Special, -----	L. E. Hess, Phillipsburg, -----	4.52
6753	Spring Special, -----	Red Lion Exchange, Red Lion, -----	4.39
7651	Spring Special, -----	Union City Cooperative Association, Union City, -----	1.85
6529	Spring Special, -----	Geo. W. Wineberg, Big Run, -----	7.15
6763	Standard, -----	L. E. Hess, Phillipsburg, -----	4.29
6755	Standard, -----	Red Lion Exchange, Red Lion, -----	4.41

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
4.23	4.12	9.11	9.00	8.67	8.00	0.44	1.00	*4.65	5.00	4.65	-----	40 25	6199
1.78	1.65	11.91	11.00	10.67	10.00	1.24	1.00	2.08	2.00	2.08	-----	32 00	7267
2.01	1.65	10.73	11.00	*9.66	10.00	1.67	1.00	7.19	6.00	7.19	-----	34 00	6221
1.99	1.65	11.11	11.00	*9.41	10.60	1.70	1.00	6.65	6.00	6.65	-----	31 15	6194
1.91	1.65	8.81	9.00	7.93	8.00	0.88	1.00	11.41	10.00	11.41	-----	30 00	5889
2.10	1.65	8.44	9.00	7.83	8.00	0.61	1.00	6.23	5.00	6.23	-----	26 25	5887
1.73	1.65	*8.56	9.00	8.12	8.00	0.44	1.00	4.84	5.00	4.84	-----	28 25	7198
1.50	1.65	8.52	9.00	*7.62	8.00	0.90	1.00	5.74	5.00	5.74	-----	-----	7495
1.90	1.65	9.95	-----	*8.64	9.00	1.31	1.00	4.19	3.00	4.19	-----	-----	6968
1.58	1.65	11.02	-----	10.48	9.00	0.54	1.00	2.87	3.00	2.87	-----	29 25	7189
1.56	1.65	9.45	9.50	*8.77	9.00	0.68	0.50	9.28	9.00	9.28	-----	32 60	6309
1.82	1.65	9.40	9.50	*8.53	9.00	0.87	0.50	*8.59	9.00	8.59	-----	31 60	5946
1.66	1.65	10.66	9.50	9.42	9.00	1.24	0.50	9.91	9.00	9.91	-----	32 00	7049
1.71	1.65	10.89	10.50	*9.11	10.00	1.78	0.50	3.57	3.00	3.57	-----	30 20	6310
1.91	1.65	11.19	10.50	9.95	10.00	1.24	0.50	3.45	3.00	3.45	-----	28 20	5947
1.95	1.65	12.36	10.50	10.84	10.00	1.52	0.50	3.33	3.00	3.33	-----	28 75	7037
4.27	4.10	8.89	8.00	8.65	8.00	0.24	-----	4.06	3.00	0.70	3.36	72 40	6583
4.14	4.10	9.46	8.00	8.96	8.00	0.50	-----	4.72	3.00	0.60	4.12	97 00	7753
												†25c per pkg.	
4.35	4.10	8.93	8.00	8.69	8.00	0.24	-----	4.36	3.00	0.60	3.76	-----	6794
1.94	1.65	9.12	9.00	7.96	8.00	1.16	1.00	5.46	4.00	5.46	-----	25 50	6214
2.30	2.46	11.56	10.00	10.28	10.00	1.28	-----	4.44	4.00	4.44	-----	31 20	6858
2.75	2.46	10.88	10.00	9.96	10.00	0.92	-----	4.09	4.00	4.09	-----	45 00	6524
2.84	2.46	11.61	10.00	10.29	10.00	1.32	-----	4.59	4.00	4.59	-----	-----	6754
*1.25	1.64	13.65	12.00	11.85	12.00	1.80	-----	2.71	2.00	2.71	-----	27 95	6859
1.85	1.64	12.59	12.00	*11.70	12.00	0.89	-----	2.44	2.00	2.44	-----	-----	6751
1.90	1.64	11.29	12.00	*10.38	12.00	0.82	-----	3.67	2.00	3.67	-----	-----	7364
2.00	1.64	14.95	12.00	13.17	12.00	1.78	-----	2.54	2.00	2.54	-----	31 45	7435
4.08	4.10	10.06	8.00	8.94	8.00	1.12	-----	7.09	7.00	1.50	5.59	49 00	6942
2.12	1.64	14.16	12.00	10.32	10.00	3.84	2.00	4.10	4.00	-----	4.10	40 00	6973
1.65	1.64	12.05	10.00	10.53	10.00	1.52	-----	4.55	4.00	4.55	-----	-----	6752
1.70	1.64	11.10	10.00	10.10	10.00	1.00	-----	4.36	4.00	4.36	-----	-----	6527
1.70	1.64	8.58	8.60	8.26	8.00	0.32	-----	10.66	10.00	10.66	-----	34 00	6033
1.80	1.64	9.04	8.60	8.46	8.00	0.58	-----	10.21	10.66	10.21	-----	32 00	6764
1.94	1.64	9.39	8.00	8.75	8.00	0.64	-----	10.81	10.00	10.81	-----	-----	6753
1.59	1.64	10.38	8.00	8.30	8.00	1.58	-----	10.22	10.00	10.22	-----	31 00	7651
1.63	1.64	9.06	8.00	8.74	8.00	0.32	-----	10.50	10.00	10.50	-----	33 05	6529
1.83	1.64	8.60	8.00	8.22	8.00	0.38	-----	5.33	5.00	5.33	-----	28 00	6763
1.87	1.64	8.76	8.00	8.34	8.00	0.42	-----	5.26	5.00	5.26	-----	-----	6755

*Deficient.

†Excluded from average.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
7366	Standard, -----	Red Lion Exchange, Red Lion, -----	4.17
6530	Top Dresser 7-8-3, -----	Geo. W. Wineberg, Big Run, -----	4.29
7695	4-16-10, -----	Wm. Gabrial, Ebensburg, -----	4.42
7367	4-16-10, -----	Red Lion Exchange, Red Lion, -----	3.37
		Average, -----	5.19
LOW GRADE FORMULAS.			
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
7053	Acme Fish Mixture, -----	Hartley & Blaine, Turbotville, -----	2.90
5905	Acme Fish Mixture, -----	Geo. L. Schell, Vicksburg, -----	7.29
6402	Bradley's B. D. Guano, -----	J. S. Cole, Millville, -----	4.82
6275	Bradley's B. D. Guano, -----	Geo. Ifft & Sons, Evans City, -----	6.96
6082	Bradley's B. D. Guano, -----	Charles McDowell, Mansfield, -----	6.49
7638	Bradley's B. D. Guano, -----	W. A. Porter, Cambridge Springs, -----	3.61
7771	Bradley's New Method Fertilizer, -----	S. O. Wright, Zelienople, -----	2.00
6918	Bradley's Niagara Phosphate, -----	Anderson Hardware Co., New Bethlehem, -----	2.68
		Geo. Iffts & Sons, Evans City, -----	5.12
6277	Bradley's Niagara Phosphate, -----	Sharpsburg Hardware Co., Sharpsburg, -----	5.55
6516	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	H. F. Gump & Sons, Everett, -----	6.72
7458	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	H. F. Gump & Sons, Everett, -----	2.80
6029	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	King Brothers, Uniontown, -----	9.68
7745	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	King Brothers, Uniontown, -----	8.64
6642	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	Stultz Brothers, Hollidaysburg, -----	3.35
7687	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	Stultz Brothers, Hollidaysburg, -----	7.65
5931	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	W. B. Winey & Son, Middleburg, -----	6.99
7101	Canton Chemical Baker's Special Wheat, -----		
	Corn and Grass Mixture, -----	W. B. Winey & Son, Middleburg, -----	8.10
5846	Canton Chemical Potato and -----		
	Vegetable Manure, -----	W. B. Barnitz, Carlisle, -----	4.17
6515	Canton Chemical Potato and -----		
	Vegetable Manure, -----	H. F. Gump & Sons, Everett, -----	3.50
6691	Canton Chemical Potato and -----		
	Vegetable Manure, -----	H. A. Snyder, Strawberry Ridge, -----	6.60
6637	Canton Chemical Potato and -----		
	Vegetable Manure, -----		
5837	Complete Compound, -----	F. P. Waite, Tyrone, -----	2.96
7055	Complete Compound, -----	M. C. Deitz & Son, Mechanicsburg, -----	4.72
6594	Complete Compound, -----	Hartley & Blaine, Turbotville, -----	5.70
6576	Complete Compound, -----	J. S. Moore & Son, Oakdale, -----	5.68
6297	Complete Compound, -----	H. P. Passmore & Brothers, Oxford, -----	5.98
6374	Complete Compound, -----	Thompson & Fordyce, Waynesburg, -----	3.34
5842	Josiah Cope's Special Phosphate, -----	H. E. Van Orner, Thompsonstown, -----	7.30
7330	Crocker's Complete Manure, -----	M. C. Deitz & Son, Mechanicsburg, -----	5.41
5864	Crocker's Complete Manure, -----	Cochranon Milling Co., Cochranon, -----	4.15
7374	Crocker's Complete Manure, -----	Farmers Exchange, Indiana, -----	4.37
6253	Crocker's Complete Manure, -----	Farmers Exchange, Indiana, -----	4.45
7776	Crocker's Complete Manure, -----	Graham Brothers, Darlington, -----	6.96
7641	Crocker's Complete Manure, -----	Phillip & Minner, New Wilmington, -----	1.11
6272	Crocker's General Crop Fertilizer, -----	Union Coal & Supply Co., Union City, -----	3.50
7572	Crocker's General Crop Fertilizer, -----	Phillip & Minner, New Wilmington, -----	4.75
7328	Crocker's General Crop Fertilizer, -----	Pollock Flour & Feed, Ford City, -----	1.35
6870	Crocker's Universal Grain Grower, -----	S. W. Shannon, Utica, -----	3.15
6610	Detrick's KKK Kangaroo Complete Kom- pound, -----	Erb & Henry, New Berlinville, -----	4.70
		John Greenleaf, Quarryville, -----	5.10

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.81	1.64	8.55	8.00	7.89	8.00	0.66	-----	5.71	5.00	5.71	-----	47 10	7366
5.68	5.74	8.99	8.00	8.03	8.00	0.96	-----	3.00	3.00	3.00	-----	52 40	6539
3.36	3.28	17.64	-----	16.64	16.00	1.00	-----	10.50	10.00	10.50	-----	-----	7695
3.54	3.28	17.73	-----	16.69	16.00	1.04	-----	10.82	10.00	10.82	-----	-----	7367
2.15	-----	10.23	-----	9.21	-----	1.02	-----	6.29	-----	-----	-----	33 70	-----
0.62	0.41	8.71	8.00	7.73	7.00	0.98	1.00	3.73	3.00	3.73	-----	23 00	7053
0.63	0.41	8.11	8.00	7.17	7.00	0.94	1.00	3.35	3.00	3.35	-----	22 00	5905
0.90	0.82	8.81	9.00	8.07	8.00	0.74	1.00	4.23	4.00	4.23	-----	22 50	6402
1.14	0.82	9.41	9.00	8.69	8.00	0.72	1.00	3.98	4.00	3.98	-----	31 50	6275
0.90	0.82	8.67	9.00	*7.62	8.00	1.05	1.00	4.22	4.00	4.22	-----	28 00	6082
0.86	0.82	9.53	9.00	8.57	8.00	0.96	1.00	4.45	4.00	4.45	-----	32 00	7638
1.08	0.82	10.05	9.00	9.35	8.00	0.70	1.00	2.36	2.00	2.36	-----	30 00	7771
1.05	0.82	9.16	9.00	8.04	8.00	1.12	1.00	1.82	1.00	1.82	-----	27 00	6918
1.01	0.82	9.46	9.00	8.62	8.00	0.84	1.00	1.23	1.00	0.70	0.53	29 50	6277
1.00	0.82	8.87	9.00	*7.59	8.00	1.28	1.00	1.28	1.00	1.28	-----	32 00	6589
0.95	0.82	9.94	10.00	9.00	9.00	0.94	1.00	2.19	2.00	2.19	-----	28 00	6516
0.90	0.82	10.78	10.00	9.54	9.00	1.24	1.00	2.14	2.00	2.14	-----	-----	7458
0.97	0.82	9.53	10.00	8.93	9.00	0.60	1.00	2.25	2.00	2.25	-----	28 00	6029
1.15	0.82	11.98	10.00	9.88	9.00	2.10	1.00	2.36	2.00	2.36	-----	28 50	7745
1.09	0.82	10.20	10.00	9.14	9.00	1.06	1.00	2.41	2.00	2.41	-----	30 00	6642
0.95	0.82	10.65	10.00	9.15	9.00	1.50	1.00	2.37	2.00	2.37	-----	30 00	7687
0.95	0.82	10.18	10.00	9.22	9.00	0.96	1.00	2.25	2.00	2.25	-----	22 00	5931
0.85	*0.82	10.52	10.00	9.30	9.00	1.22	1.00	2.03	2.00	2.03	-----	24 50	7101
0.98	0.82	10.33	10.00	9.05	9.00	1.28	1.00	3.26	3.00	3.26	-----	21 75	5846
0.98	0.82	10.17	10.00	9.01	9.00	1.16	1.00	3.40	3.00	3.40	-----	35 00	6515
0.90	0.82	10.57	10.00	9.49	9.00	1.08	1.00	3.10	3.00	3.10	-----	22 79	6691
1.07	0.82	10.20	10.00	9.10	9.00	1.10	1.00	3.63	3.00	3.63	-----	25 00	6637
1.00	0.82	8.80	9.00	*7.73	8.00	1.07	1.00	4.48	4.00	4.48	-----	-----	5837
0.88	0.82	9.67	9.00	8.37	8.00	1.30	1.00	4.93	4.00	4.93	-----	26 00	7055
1.00	0.82	8.67	9.00	*7.55	8.00	1.12	1.00	4.60	4.00	4.60	-----	28 50	6594
1.01	0.82	9.10	9.00	8.02	8.00	1.08	1.00	4.06	4.00	4.06	-----	24 00	6576
1.10	0.82	8.76	9.00	7.82	8.00	0.94	1.00	4.66	4.00	4.66	-----	29 00	6297
0.95	0.82	8.98	9.00	7.96	8.00	1.02	1.00	*3.31	4.00	3.31	-----	22 00	6374
0.94	0.82	10.66	10.00	9.36	9.00	1.30	1.00	3.18	3.00	3.18	-----	24 00	5842
0.85	0.82	9.49	9.00	8.03	8.00	1.46	1.00	4.41	4.00	4.41	-----	28 40	7380
1.02	0.82	9.16	9.00	8.16	8.00	1.00	1.00	4.66	4.00	4.66	-----	28 45	5864
0.95	0.82	9.55	9.00	8.35	8.00	1.20	1.00	3.96	4.00	3.96	-----	31 00	7374
1.00	0.82	8.88	9.00	8.10	8.00	0.78	1.00	4.12	4.00	4.12	-----	28 00	6253
1.05	0.82	10.19	9.00	9.37	8.00	0.82	1.00	4.51	4.00	4.51	-----	28 50	7776
0.90	0.82	9.16	9.00	8.24	8.00	0.92	1.00	4.04	4.00	4.04	-----	28 50	7641
1.03	0.82	8.20	8.00	7.54	7.00	0.66	1.00	1.07	1.00	1.07	-----	26 00	6272
1.09	0.82	10.08	8.00	8.14	7.00	1.94	1.00	1.54	1.00	1.54	-----	25 00	7572
1.09	0.82	8.69	8.00	7.53	7.00	1.16	1.00	1.76	1.00	1.76	-----	22 80	7328
1.06	0.82	9.31	9.00	8.21	8.00	1.10	1.00	2.21	2.00	2.21	-----	20 70	6870
1.68	1.65	9.24	9.00	8.12	8.00	1.12	1.00	3.83	3.00	3.83	-----	-----	6610

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
7499	Detrick's KKK Kangaroo Komplete Kom-pound,	John Greenleaf, Quarryville, -----	% 3.85
6741	Lanco Hi-Grade for Tobacco with Sulphate of Potash,	W. L. Mitzel, Red Lion, -----	1.68
7358	Lanco Hi-Grade for Tobacco with Sulphate of Potash,	W. L. Mitzel, Red Lion, -----	7.55
6728	Lister's Corn and Wheat Fertilizer, ---	John R. Jones, Troy, -----	2.81
6951	Lister's Corn and Wheat Fertilizer, ---	N. Olson, Stoneboro, -----	5.18
7792	Lister's Corn and Wheat Fertilizer, ---	N. Olson, Stoneboro, -----	1.52
6737	Lister's Fish Brand Fertilizer, -----	W. L. Mitzel, Red Lion, -----	3.90
7300	Lister's Fish Brand Fertilizer, -----	W. L. Mitzel, Red Lion, -----	4.65
6849	Lister's G. Brand, -----	Ebensburg Milling Co., Ebensburg, ---	2.05
7274	Lister's G. Brand, -----	Gant Hardware Co., Jeannette, -----	4.82
7784	Lister's G. Brand, -----	Morrow & Buxton, Valencia, -----	1.77
5941	Lister's G. Brand, -----	Benjamin Savidge, Turbotville, -----	6.95
7214	Lister's G. Brand, -----	Benjamin Savidge, Turbotville, -----	7.02
7318	Lister's G. Brand, -----	O. B. Sender, Beavertown, -----	6.97
5992	Lister's G. Brand, -----	R. R. Yoder, Belleville, -----	7.17
7150	Lister's Golden Sheaf, -----	Herman & Wetzel, Selinsgrove, -----	5.00
6183	Lister's Golden Sheaf, -----	M. H. Hollingshead, Harrisonville, ---	1.88
5940	Lister's Golden Sheaf, -----	Benjamin Savidge, Turbotville, -----	6.91
7240	Lister's Harvest Queen Phosphate, ---	A. E. Barron, Somerset, -----	8.67
6740	Lister's Harvest Queen Phosphate, ---	W. L. Mitzel, Red Lion, -----	3.44
7362	Lister's Harvest Queen Phosphate, ---	W. L. Mitzel, Red Lion, -----	6.60
7215	Lister's Squirrel Brand Fertilizer, -----	Benjamin Savidge, Turbotville, -----	8.67
7320	Lister's Squirrel Brand Fertilizer, -----	O. B. Sender, Beavertown, -----	3.45
6040	Lister's Success Fertilizer, -----	F. E. Reamer, Greensburg, -----	5.79
7316	Lister's Success Fertilizer, -----	O. B. Sender, Beavertown, -----	5.00
7553	Ludlam's Ceerops Standard Potash, ---	Wm. B. Barnitz, Carlisle, -----	6.85
6475	Ludlam's Ceerops Standard Potash, ---	Bedford County Cooperative Association, Everett, -----	1.90
5844	Matchless Potash Manure, -----	W. B. Barnitz, Carlisle, -----	3.35
7557	Matchless Potash Manure, -----	Wm. B. Barnitz, Carlisle, -----	4.62
6050	Matchless Potash Manure, -----	King Brothers, Uniontown, -----	7.72
7560	Milson's Wheat, Oats and Barley, ---	Leechburg Hardware Co., Leechburg, ---	3.50
6854	Paragon Guano, -----	H. C. Bertrits Sons, Somerset, -----	3.17
7085	Paragon Guano, -----	Ewing P. Kinsloe, Newton Hamilton, ---	4.25
6790	Paragon Guano, -----	Elmer Schmittle, Orbisonia, -----	2.87
6373	Paragon Guano, -----	H. E. Van Ormer, Thompsonstown, ---	6.80
6395	Patapsco Big Chief Brand, -----	J. B. Lightner, Loysville, -----	6.21
7603	Patapsco Big Chief Brand, -----	D. K. Lightner, Loysville, -----	4.82
5891	Patapsco Big Chief Brand, -----	E. C. Thomas, Gettysburg, -----	5.88
7193	Patapsco Big Chief Brand, -----	E. C. Thomas, Gettysburg, -----	6.10
7256	Patapsco Big Chief Brand, -----	F. P. Waite, Tyrone, -----	6.50
6512	Patapsco Coon Brand Guano, -----	F. B. Baker, Everett, -----	3.12
6731	Patapsco Coon Brand Guano, -----	Granville Mercantile Co., Cowley, -----	2.57
5908	Patapsco Coon Brand Guano, -----	Geo. L. Schell, Vicksburg, -----	3.07
7107	Patapsco Coon Brand Guano, -----	Geo. L. Schell, Vicksburg, -----	5.55
5894	Patapsco Coon Brand Guano, -----	E. C. Thomas, Gettysburg, -----	5.41
7196	Patapsco Coon Brand Guano, -----	E. C. Thomas, Gettysburg, -----	5.85
6326	Patapsco Grain and Grass Product, ---	John J. Autin, Pottsgrove, -----	5.40
6689	Patapsco Grain and Grass Product, ---	Erb & Henry, New Berlinville, -----	3.55
6812	Patapsco Grain and Grass Product, ---	I. C. Harrington, Montrose, -----	6.11
7601	Patapsco Grain and Grass Product, ---	D. K. Lightner, Loysville, -----	4.85
6688	Patapsco Money Maker, -----	Erb & Henry, New Berlinville, -----	3.65
6397	Patapsco Money Maker, -----	J. B. Lightner, Loysville, -----	6.76
7602	Patapsco Money Maker, -----	D. K. Lightner, Loysville, -----	2.66
6396	Patapsco Sea Gull Guano, -----	J. B. Lightner, Loysville, -----	5.77
7194	Patapsco Sea Gull Guano, -----	E. C. Thomas, Gettysburg, -----	5.32
7680	Pollock's Bull's Eye Guano, -----	C. E. Brumbaugh, New Enterprise, ---	7.10
6362	Pollock's Bull's Eye Guano, -----	L. E. Rhoads, Selinsgrove, -----	6.25
6761	Pollock's Corn and Oats Special, -----	J. O. Reed, Philipsburg, -----	1.61
7251	Pollock's Corn and Oats Special, -----	F. J. Strittmatter Co., Bradley Junction, -----	7.00

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.81	1.65	9.39	9.00	8.31	8.00	1.08	1.00	3.59	3.00	3.59	-----	-----	7499
*2.91	3.29	6.98	6.00	6.32	5.00	0.66	1.00	4.01	4.00	2.40	1.61	33 50	6741
3.47	3.29	7.18	6.00	6.46	5.00	0.72	1.00	4.53	4.00	1.20	3.33	-----	7358
1.81	1.65	8.99	9.00	8.46	8.00	0.44	1.00	3.10	3.00	3.10	-----	31 00	6725
1.86	1.65	9.12	9.00	*7.60	8.00	1.32	1.00	3.29	3.00	3.29	-----	29 50	6.51
1.63	1.65	10.08	9.00	8.48	8.00	1.60	1.00	3.65	3.00	3.65	-----	-----	7192
0.93	0.82	10.65	10.00	9.31	9.00	1.34	1.00	2.66	2.60	2.66	-----	22 00	6737
0.95	0.82	11.49	10.00	9.97	9.00	1.52	1.00	2.58	2.00	2.28	-----	-----	73 0
1.00	0.82	9.11	9.00	8.31	8.00	0.80	1.00	4.61	4.00	4.81	-----	25 00	6849
0.90	0.82	10.45	9.00	9.89	8.00	0.56	1.00	4.19	4.00	4.29	-----	35 00	7214
0.91	0.82	10.27	9.00	8.59	8.00	1.08	1.00	4.24	4.00	4.24	-----	29 00	7784
1.08	0.82	9.34	9.00	8.44	8.00	0.90	1.00	4.38	4.00	4.38	-----	25 50	5941
0.95	0.82	9.78	9.00	8.54	8.00	1.24	1.00	4.38	4.00	4.38	-----	25 25	7214
0.84	0.82	9.81	9.00	8.65	8.00	1.16	1.00	4.04	4.00	4.04	-----	25 14	7318
1.07	0.82	8.85	9.00	7.96	8.00	0.89	1.00	4.69	4.00	4.69	-----	23 00	59.2
1.00	0.82	10.09	9.00	8.83	8.00	1.26	1.00	1.35	1.00	1.35	-----	22 50	7150
0.97	0.82	9.27	9.00	8.43	8.00	1.14	1.00	1.17	1.00	1.17	-----	25 50	6783
1.01	0.82	9.32	9.00	8.22	8.00	1.10	1.00	1.28	1.00	1.28	-----	24 00	5940
1.00	0.82	10.77	10.00	9.55	9.00	1.22	1.00	3.26	3.00	3.26	-----	25 15	7240
1.00	0.82	10.20	10.00	8.98	9.00	1.22	1.00	3.48	3.00	3.48	-----	22 50	6740
1.09	0.82	11.05	10.00	9.79	9.00	1.26	1.00	3.57	3.00	3.57	-----	-----	7562
0.86	0.82	9.30	9.00	7.82	8.00	1.48	1.00	2.18	2.00	2.18	-----	24 00	7215
0.85	0.82	9.94	9.00	8.46	8.00	1.48	1.00	2.30	2.00	2.30	-----	20 00	7320
1.71	1.65	9.68	9.00	*7.41	8.00	2.27	1.00	2.51	2.00	2.51	-----	28 50	6040
1.80	1.65	9.71	9.00	8.69	8.00	1.02	1.00	2.42	2.00	2.42	-----	30 00	7316
0.83	0.82	9.95	9.00	8.51	8.00	1.14	1.00	4.11	4.00	4.11	-----	-----	7553
0.94	0.82	8.67	9.00	*7.79	8.00	0.88	1.00	4.84	4.00	4.84	-----	27 00	6475
1.63	1.65	8.50	9.00	*7.53	8.00	0.97	1.00	2.33	2.00	2.33	-----	24 00	5844
1.73	1.65	9.58	9.00	8.56	8.00	1.02	1.00	2.21	2.00	2.21	-----	-----	7557
1.77	1.65	9.25	9.00	7.97	8.00	1.28	1.00	1.92	2.00	1.92	-----	33 00	6030
0.85	0.82	9.59	9.00	7.89	8.00	1.70	1.00	2.08	2.00	2.08	-----	28 00	7560
1.15	0.82	9.20	8.00	8.08	7.00	1.12	1.00	1.80	1.00	1.80	-----	24 00	6854
1.00	0.82	8.89	8.00	7.50	7.00	1.30	1.00	1.26	1.00	1.26	-----	23 40	7085
1.00	0.82	8.59	8.00	7.11	7.00	1.18	1.00	1.47	1.00	1.47	-----	22 00	6710
1.00	0.82	8.36	8.00	7.28	7.00	1.08	1.00	1.41	1.00	1.41	-----	20 00	6373
0.95	0.82	9.78	10.00	*8.64	9.00	1.14	1.00	3.49	3.00	3.49	-----	24 70	6395
1.00	0.82	10.96	10.00	9.66	9.00	1.30	1.00	3.36	3.00	3.36	-----	25 50	7603
1.10	0.82	10.61	10.00	9.23	9.00	1.28	1.00	3.13	3.00	3.13	-----	-----	5891
1.05	0.82	10.93	10.00	9.73	9.00	1.20	1.00	3.25	3.00	3.25	-----	26 00	7193
1.00	0.82	10.79	10.00	9.53	9.00	1.26	1.00	3.69	3.00	3.69	-----	26 50	7256
0.99	0.82	10.41	10.00	9.25	9.00	1.06	1.00	2.74	2.00	2.74	-----	26 00	6512
0.90	0.82	10.97	10.00	9.91	9.00	1.06	1.00	2.02	2.00	2.02	-----	25 50	6731
1.15	0.82	9.94	10.00	8.98	9.00	0.96	1.00	2.97	2.00	2.97	-----	24 00	5908
0.91	0.82	10.82	10.00	9.52	9.00	1.30	1.00	2.25	2.00	2.25	-----	25 00	7107
1.17	0.82	10.19	10.00	9.01	9.00	1.18	1.00	2.93	2.00	2.93	-----	-----	5894
0.95	0.82	10.63	10.00	9.37	9.00	1.26	1.00	2.69	2.00	2.69	-----	25 00	7196
1.00	0.82	8.73	9.00	*7.57	8.00	1.16	1.00	4.55	4.00	4.55	-----	-----	6326
0.97	0.82	9.90	9.00	8.76	8.00	1.14	1.00	4.05	4.00	4.05	-----	20 95	6689
0.95	0.82	9.63	9.00	8.17	8.00	0.86	1.00	4.21	4.00	4.21	-----	29 00	6812
1.00	0.82	10.63	9.00	8.97	8.00	1.06	1.00	4.23	4.00	4.23	-----	25 50	7601
0.99	0.82	9.44	9.00	8.44	8.00	1.00	1.00	2.26	2.00	2.26	-----	19 60	6688
1.01	0.82	9.63	9.00	8.13	8.00	0.90	1.00	2.49	2.00	2.49	-----	23 50	6307
0.83	0.82	9.40	9.00	8.36	8.00	1.04	1.00	2.17	2.00	2.17	-----	24 25	7602
0.95	0.82	8.73	9.00	*7.69	8.00	1.04	1.00	1.47	1.00	1.47	-----	22 75	6796
1.01	0.82	10.01	9.00	8.73	8.00	1.28	1.00	1.47	1.00	1.47	-----	21 00	7194
1.86	1.65	10.05	9.00	9.15	8.00	0.90	1.00	2.56	2.00	2.56	-----	29 25	7680
1.72	1.65	9.17	9.00	8.31	8.00	0.86	1.00	2.86	2.00	2.86	-----	25 00	6362
1.22	0.82	8.62	8.00	7.46	7.00	1.22	1.00	2.04	1.00	2.04	-----	28 00	6761
1.01	0.82	8.44	8.00	7.46	7.00	0.98	1.00	1.25	1.00	1.25	-----	23 00	7551

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6130	Pollock's Crop Invigorator, -----	Geo. A. Dick, Dillsburg, -----	3.76
6525	Pollock's Crop Invigorator, -----	J. O. Reed, Philipsburg, -----	2.92
6359	Pollock's Crop Invigorator, -----	L. E. Rhoads, Selinsgrove, -----	4.62
7159	Pollock's Crop Invigorator, -----	L. E. Rhoads, Selinsgrove, -----	3.52
5849	Pollock's Special Wheat and Corn Fer- tilizer, -----	W. B. Barnitz, Carlisle, -----	4.63
6416	Quinnipiac Climax Phosphate, -----	F. L. Allen, Allenwood, -----	7.00
7812	Quinnipiac Climax Phosphate, -----	John Greenleaf, Quarryville, -----	4.60
5851	Special Manure, -----	W. B. Barnitz, Carlisle, -----	6.20
6692	Special Manure, -----	H. A. Snyder, Strawberry Ridge, -----	2.84
6955	The Pathfinder, -----	Marshall Brothers, New Castle, -----	6.31
7468	The Pathfinder, -----	P. L. Schuch, Cogan Station, -----	3.00
6565	Tygart's Golden Harvest Phosphate, -----	George W. Amey, Richlandtown, -----	6.72
6888	Tygart's Neptune Fish Compound, -----	W. H. Lenhard, Phoenixville, -----	6.31
6764	Tygart's Popular Phosphate, -----	George W. Amey, Richlandtown, -----	5.10
7611	Tygart's Star Brand Phosphate, -----	S. E. Bear, Hamburg, -----	3.15
6704	Tygart's Star Brand Phosphate, -----	N. D. Hunsicker, Snyder, -----	5.24
6068	Tygart's Victor Crop Grower, -----	W. A. Ackley & Son, Westfield, -----	6.94
7610	Tygart's Victor Crop Grower, -----	S. E. Bear, Hamburg, -----	3.00
7462	Tygart's Victor Crop Grower, -----	Bedford County Cooperative Associa- tion, Everett, -----	3.50
6887	Tygart's Victor Crop Grower, -----	W. H. Lenhard, Phoenixville, -----	1.12
6413	Wooldridge's Farmers Favorite Cereal Compound, -----	H. V. Smith, Turbotville, -----	5.34
7211	Wooldridge's Farmers Favorite Cereal Compound, -----	H. V. Smith, Turbotville, -----	2.90
6134	Wooldridge's Farmers Favorite Cereal Compound, -----	Robert Wentz, Wellsville, -----	3.49
7678	Wooldridge's General Crop Grower, -----	C. E. Brumbaugh, New Enterprise, -----	6.95
7613	Wooldridge's Triangle Brand, -----	Calvin Mengle, Lenhardsville, -----	5.25
6412	Wooldridge's Triangle Brand, -----	H. V. Smith, Turbotville, -----	5.72
7210	Wooldridge's Triangle Brand, -----	H. V. Smith, Turbotville, -----	3.27
6128	Wooldridge's Triangle Brand, -----	Robert Wentz, Wellsville, -----	3.30
7302	Wooldridge's Triangle Brand, -----	Robert Wentz, Wellsville, -----	3.47
7089	Wooldridge's Triumph Brand Phosphate, -----	H. O. Rearick, Milroy, -----	3.85
7492	Wooldridge's Triumph Brand Phosphate, -----	B. L. Shipman, Muncy, -----	7.82
6457	Zell's Economizer Phosphate, -----	Ewing P. Kinsole, Newton Hamilton, -----	2.77
7082	Zell's Economizer Phosphate, -----	Ewing P. Kinsole, Newton Hamilton, -----	2.80
7096	Zell's Hustler Phosphate, -----	H. A. Snyder, Strawberry Ridge, -----	4.30
AMERICAN FERTILIZING COMPANY, BALTIMORE, MD.		H. O. Hertzler, Meehaniesburg, -----	4.68
5832	American Eagle Crop Grower, -----	John G. Emert, Somerset, -----	3.58
6855	American Grain and Grass Grower, -----	H. O. Hertzler, Meehaniesburg, -----	5.55
5881	American Reliable Guano, -----		
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		M. L. Bachman, Lebanon, -----	2.12
7509	Armour's Crop Grower, -----	Kane Milling & Grocery Co., Kane, -----	5.40
6927	Armour's Crop Grower, -----	Steininger Brothers, Middleburg, -----	5.46
5938	Armour's Crop Grower, -----	Chaaapels Seed Store, Williamsport, -----	4.85
7473	Armour's Farmers Choice Fertilizer, -----	Great Valley Mills, Paoli, -----	3.90
6894	Armour's Farmers Choice Fertilizer, -----	E. F. Hays Sons, Chicora, -----	2.75
7785	Armour's Farmers Choice Fertilizer, -----	D. Waite, Bellefonte, -----	5.41
6172	Armour's Farmers Choice Fertilizer, -----	Chester Grove, West Milton, -----	3.17
6450	Armour's Fertilizers Wheat Corn and Oat Special, -----	O. M. Spettigue, Honesdale, -----	6.20
6823	Armour's Fertilizers Wheat Corn and Oat Special, -----	E. F. Hays Sons, Chicora, -----	1.35
7786	Armour's Fish Potash Mixture, -----	Lake Ariel Hardware Co., Lake Ariel, -----	5.33
6825	Armour's Fish Potash Mixture, -----	L. A. Stemler, Palmerton, -----	6.84
6678	Armour's Fish Potash Mixture, -----	Chaaapels Feed Store, Williamsport, -----	4.22
6326	Armour's Grain Grower, -----	M. L. Bachman, Lebanon, -----	2.10
7508	Armour's Grain Grower, -----	Great Valley Mills, Paoli, -----	2.97
6895	Armour's Grain Grower, -----		

PLETE FERTILIZERS—Continued.

NITRO-GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.12	0.82	9.25	9.00	8.13	8.00	1.12	1.00	4.10	4.00	4.10	-----	30 00	6130
0.88	0.82	8.66	9.00	7.84	8.00	0.82	1.00	5.68	4.00	5.68	-----	23 00	6525
0.99	0.82	8.74	9.00	*7.72	8.00	1.02	1.00	4.42	4.00	4.42	-----	23 00	6359
1.00	0.82	9.82	9.00	8.54	8.00	1.28	1.00	4.35	4.00	4.35	-----	25 00	7159
1.04	0.82	9.32	9.00	8.16	8.00	1.16	1.00	2.00	2.00	2.00	-----	20 50	5849
0.89	0.82	9.01	9.00	8.11	8.00	0.90	1.00	2.06	2.00	2.06	-----	25 50	6416
0.91	0.82	10.33	9.00	9.21	8.00	1.12	1.00	2.66	2.00	2.66	-----	-----	7812
1.00	0.82	9.08	9.00	7.86	8.00	1.22	1.00	1.33	1.00	1.33	-----	20 00	5851
0.95	0.82	9.89	9.00	8.65	8.00	1.24	1.00	1.47	1.00	1.47	-----	20 93	6692
1.00	0.82	10.08	10.00	9.00	9.00	1.08	1.00	3.35	3.00	3.35	-----	-----	6955
0.95	0.82	11.00	10.00	9.66	9.00	1.34	1.00	3.84	3.00	3.84	-----	28 25	7468
1.00	0.82	8.89	9.00	8.23	8.00	0.66	1.00	2.82	2.00	2.82	-----	19 60	6575
1.01	0.82	10.06	10.00	8.84	9.00	1.22	1.00	3.18	3.00	3.18	-----	35 00	6888
1.00	0.82	8.62	9.00	8.00	8.00	0.62	1.00	1.63	1.00	1.63	-----	18 95	6564
1.74	1.65	9.98	9.00	8.76	8.00	1.22	1.00	3.48	3.00	3.48	-----	26 00	7611
1.75	1.65	9.06	9.00	8.12	8.00	0.94	1.00	3.82	3.00	3.82	-----	28 60	6704
0.93	0.82	8.79	9.00	7.90	8.00	0.89	1.00	4.00	4.00	4.00	-----	28 00	6368
0.94	0.82	10.04	9.00	8.76	8.00	1.28	1.00	5.16	4.00	5.16	-----	17 00	7610
0.90	0.82	9.75	9.00	8.59	8.00	1.16	1.00	4.72	4.00	4.72	-----	27 00	7462
0.93	0.82	8.84	9.00	*7.74	8.00	1.10	1.00	4.59	4.00	4.59	-----	35 00	6887
0.90	0.82	7.40	8.00	*6.88	7.00	1.02	1.00	1.32	1.00	1.32	-----	23 00	6413
1.00	0.82	9.12	8.00	7.98	7.00	1.14	1.00	1.81	1.00	1.81	-----	22 00	7211
1.00	0.82	7.46	8.00	*6.58	7.00	0.88	1.00	1.44	1.00	1.44	-----	-----	6134
0.87	0.82	9.54	9.00	8.08	8.00	1.46	1.00	1.23	1.00	1.23	-----	24 50	7078
0.95	0.82	9.39	9.00	8.37	8.00	1.02	1.00	4.81	4.00	4.81	-----	24 00	7613
0.89	0.82	8.95	9.00	7.92	8.00	1.03	1.00	4.46	4.00	4.46	-----	26 00	6412
0.95	0.82	9.99	9.00	8.65	8.00	1.34	1.00	4.86	4.00	4.86	-----	25 00	7210
1.15	0.82	9.03	9.00	8.03	8.00	1.00	1.00	4.13	4.00	4.13	-----	-----	6128
0.98	0.82	10.13	9.00	8.93	8.00	1.20	1.00	4.17	4.00	4.17	-----	-----	7302
1.84	1.65	9.63	9.00	8.87	8.00	0.76	1.00	3.47	3.00	3.47	-----	26 50	7089
1.80	1.65	9.72	9.00	8.68	8.00	1.04	1.00	3.81	3.00	3.81	-----	26 85	7402
1.11	0.82	9.07	9.00	8.01	8.00	1.06	1.00	2.61	2.00	2.61	-----	24 00	6457
1.01	0.82	9.89	9.00	8.39	8.00	1.50	1.00	2.45	2.00	2.45	-----	24 84	7082
0.96	0.82	11.08	10.00	9.58	9.00	1.50	1.00	3.51	3.00	3.51	-----	24 50	7096
1.57	1.65	8.51	9.00	*7.79	8.00	0.72	1.00	2.64	2.00	2.64	-----	19 75	5832
1.05	0.82	10.75	10.00	9.07	9.00	1.68	1.00	3.66	3.00	3.66	-----	22 75	6855
0.95	0.82	8.64	9.00	8.10	8.00	0.54	1.00	1.24	1.00	1.24	-----	19 00	5831
0.87	0.82	8.29	8.50	7.99	8.00	0.30	0.50	2.70	2.00	2.70	-----	-----	7509
1.26	0.82	9.18	8.50	7.96	8.00	1.22	0.50	2.83	2.00	2.83	-----	35 00	6927
0.92	0.82	8.38	8.50	7.86	8.00	0.52	0.50	2.31	2.00	2.31	-----	24 00	5938
0.90	0.82	9.89	9.50	9.57	9.00	0.32	0.50	3.16	3.00	3.16	-----	30 00	7473
1.16	0.82	10.22	9.50	9.40	9.00	0.89	0.50	3.43	3.00	3.43	-----	28 00	6894
0.90	0.82	10.41	9.50	10.07	9.00	0.34	0.50	3.34	3.00	3.34	-----	30 00	7785
1.02	0.82	9.95	9.50	9.15	9.00	0.89	0.50	2.98	3.00	2.98	-----	25 50	6172
1.08	0.82	7.54	7.50	6.93	7.00	0.61	0.50	1.54	1.00	1.54	-----	-----	6420
0.88	0.82	7.69	7.50	7.01	7.00	0.68	0.50	1.85	1.00	1.85	-----	26 00	6823
2.18	1.65	8.87	-----	8.39	8.00	0.48	0.50	3.29	3.00	2.80	0.49	36 00	7786
1.60	1.65	8.67	8.50	8.21	8.00	0.46	0.50	3.20	3.00	3.20	-----	36 00	6825
1.90	1.65	9.80	8.50	9.12	8.00	0.68	0.50	3.18	3.00	3.18	-----	-----	6678
1.70	1.65	8.64	8.50	*7.70	8.00	0.94	0.50	2.19	2.00	2.19	-----	32 00	6326
1.80	1.65	9.66	8.50	8.62	8.00	1.04	0.50	2.77	2.00	2.77	-----	-----	7508
2.00	1.65	9.39	8.50	8.57	8.00	0.82	0.50	2.36	2.00	2.36	-----	30 00	6895

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6461	Armour's Grain Grower, -----	O. S. Headings, Milroy, -----	5.10
6380	Armour's Grain Grower, -----	B. F. Horting, Newport, -----	4.87
7429	Armour's Grain Grower, -----	Reynoldsville Hardware Co., Reynolds- ville, -----	3.30
6531	Armour's Grain Grower, -----	Smith Brothers, Ridgway, -----	5.95
7261	Armour's Grain Grower, -----	A. J. Steele, Latrobe, -----	3.20
7577	Armour's Royal Ammoniated Fertilizer, -----	W. T. Balsiger, Apollo, -----	4.35
6092	Armour's Royal Ammoniated Fertilizer, -----	A. L. Bergstresser, Hellertown, -----	7.20
5912	Armour's Royal Ammoniated Fertilizer, -----	D. Luther Bogennief, Midlinburg, -----	5.06
6193	Armour's Royal Ammoniated Fertilizer, -----	Ditz & Mooney Hardware Co., Clarion, -----	5.86
5878	Armour's Royal Ammoniated Fertilizer, -----	Frank Douglass, Indiana, -----	5.34
6957	Armour's Royal Ammoniated Fertilizer, -----	R. C. Mountser, Charleroi, -----	3.31
6569	Armour's Royal Ammoniated Fertilizer, -----	Passmore & Co., Nottingham, -----	4.71
7021	Armour's Royal Ammoniated Fertilizer, -----	Milton Shellhammer, Lehighton, -----	6.75
6822	Armour's Royal Ammoniated Fertilizer, -----	O. M. Spettigue, Honesdale, -----	8.61
7262	Armour's Royal Ammoniated Fertilizer, -----	A. J. Steele, Latrobe, -----	2.85
6674	Tuscarora Brand Fish and Potash Mixture, -----	W. A. Buck, Aquashicola, -----	4.85
BALTIMORE FERTILIZER CO., BALTIMORE, MD.			
7530	Honest 1-9-3, -----	Baltimore Fertilizer Co., Chambers- burg, -----	2.77
5897	Honest Crop Grower, -----	L. N. Lightner, Gettysburg, -----	4.03
7532	Old Honesty, -----	Baltimore Fertilizer Co., Chambers- burg, -----	2.10
5898	Old Honesty, -----	L. N. Lightner, Gettysburg, -----	3.00
BAUGH & SONS COMPANY, PHILA- DELPHIA, PA.			
6612	Baugh's Animal Base and Potash Com- pound, -----	E. B. Fritz & Sons, Quarryville, -----	4.57
5884	Baugh's Animal Base and Potash Com- pound, -----	Homer City Feed Mills, Homer City, --	6.04
6705	Baugh's Animal Base and Potash Com- pound, -----	N. D. Hunsicker, Snyder's, -----	7.05
6771	Baugh's Animal Base and Potash Com- pound, -----	Routch & Swartzel Co., Clearfield, --	4.00
7115	Baugh's Animal Base and Potash Com- pound, -----	E. P. Wargo, Danville, -----	8.87
5926	Baugh's Economical Crop Producer, ---	H. A. Long, Liverpool, -----	6.80
7080	Baugh's Excelsior Guano, -----	Briggs Brothers, Mt. Union, -----	4.47
5997	Baugh's Excelsior Guano, -----	Walter Foltz, Belleville, -----	6.55
7370	Baugh's Excelsior Guano, -----	Thos. K. George, Homer City, -----	2.70
6983	Baugh's Excelsior Guano, -----	M. S. Graybill, Bareville, -----	7.27
5883	Baugh's Excelsior Guano, -----	Homer City Feed Mills, Homer City, --	5.97
7020	Baugh's Excelsior Guano, -----	N. D. Hunsicker, Snyder's, -----	6.65
5924	Baugh's Excelsior Guano, -----	H. A. Long, Liverpool, -----	6.12
7673	Baugh's Excelsior Guano, -----	Orin & Grazier, Tyrone, -----	5.39
6045	Baugh's Excelsior Guano, -----	W. S. Sassman, Ottsville, -----	8.21
7526	Baugh's Excelsior Guano, -----	W. B. Thompson & Son, Waynesboro, --	2.60
6211	Baugh's Fish Mixture, -----	Gallagher & Stevick, Wilkes-Barre, --	6.97
5826	Baugh's Fish Mixture, -----	Edward P. Wargo, Danville, -----	5.68
6456	Baugh's General Crop Grower, -----	Briggs Brothers, Mt. Union, -----	8.25
6558	Baugh's General Crop Grower, -----	Estate George S. Snyder, Hatfield, --	8.17
5923	Baugh's General Crop Grower, -----	H. A. Long, Liverpool, -----	6.54
7448	Baugh's Wheat Fertilizer for Wheat and Grass, -----	T. Baker, Everett, -----	6.07
7471	Baugh's Wheat Fertilizer for Wheat and Grass, -----	M. E. Ball, Hepburnville, -----	7.27
7373	Baugh's Wheat Fertilizer for Wheat and Grass, -----	Thos. K. George, Homer City, -----	5.72
7722	Baugh's Wheat Fertilizer for Wheat and Grass, -----	O. M. Harter, Wapwallopen, -----	5.25

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.78	1.65	9.80	8.50	8.72	8.00	1.08	0.50	2.09	2.00	2.09	-----	27 80	6461
1.75	1.65	9.38	8.50	8.30	8.00	1.08	0.50	2.16	2.00	2.16	-----	24 40	6350
1.84	1.65	9.21	8.50	8.35	8.00	0.86	0.50	2.36	2.00	2.36	-----	31 00	7419
2.10	1.65	8.76	8.50	8.00	8.00	0.76	0.50	2.78	2.00	2.78	-----	37 00	6531
1.70	1.65	8.78	8.50	8.38	8.00	0.40	0.50	2.17	2.00	2.17	-----	31 50	7261
0.91	0.82	9.02	8.50	8.36	8.00	0.66	0.50	4.83	4.00	4.83	-----	7577	7577
1.09	0.82	8.84	8.50	8.36	8.00	0.48	0.50	4.30	4.00	4.30	-----	27 00	6092
0.97	0.82	8.36	8.50	*7.58	8.00	0.78	0.50	4.29	4.00	4.29	-----	24 70	5912
1.02	0.82	8.53	8.50	*7.75	8.00	0.78	0.50	4.66	4.00	4.66	-----	25 00	6193
1.00	0.82	8.61	8.50	7.86	8.00	0.75	0.50	4.25	4.00	4.25	-----	27 00	5878
1.00	0.82	8.75	8.50	8.15	8.00	0.60	0.50	4.17	4.00	4.17	-----	32 00	6957
0.83	0.82	8.87	8.50	8.11	8.00	0.76	0.50	4.40	4.00	4.40	-----	22 50	6569
1.24	0.82	8.95	8.50	8.29	8.00	0.66	0.50	4.34	4.00	4.34	-----	24 00	7021
1.07	0.82	8.64	8.50	7.90	8.00	0.74	0.50	4.09	4.00	4.09	-----	29 00	6822
0.95	0.82	8.89	8.50	8.49	8.00	0.40	0.50	4.78	4.00	4.78	-----	38 50	7262
1.59	1.65	7.70	8.50	*7.30	8.00	0.40	0.50	*2.71	3.00	2.71	-----	-----	6674
0.85	0.82	11.28	-----	9.34	9.00	1.94	1.00	3.69	3.00	3.69	-----	-----	7550
0.84	0.82	9.31	8.50	8.81	8.00	0.50	0.50	1.47	1.00	1.47	-----	25 00	5897
0.50	0.41	9.87	-----	9.15	8.00	0.72	1.00	2.77	2.00	2.77	-----	-----	7532
0.88	0.41	9.26	8.50	8.73	8.00	0.48	0.50	2.34	2.00	2.34	-----	24 00	5838
1.80	1.65	9.30	8.00	8.28	8.00	1.02	-----	2.33	2.00	2.33	-----	26 50	6612
2.04	1.65	9.80	8.00	8.54	8.00	1.26	-----	2.25	2.00	2.25	-----	28 00	5884
1.70	1.65	9.39	8.00	8.49	8.00	0.90	-----	2.77	2.00	2.77	-----	26 55	6705
2.03	1.65	9.95	8.00	9.03	8.00	0.92	-----	2.41	2.00	2.41	-----	32 00	6771
1.76	1.65	10.42	9.00	9.52	9.00	0.90	-----	2.14	2.00	2.14	-----	28 25	7115
1.03	0.82	8.46	8.00	*7.73	8.00	0.68	-----	1.86	2.00	1.86	-----	22 00	5926
0.96	0.82	9.11	8.00	8.05	8.00	1.06	-----	4.89	4.00	4.89	-----	27 50	7050
1.03	0.82	9.11	8.00	8.03	8.00	1.08	-----	4.01	4.00	4.01	-----	23 00	5997
1.00	0.82	9.39	8.00	8.35	8.00	1.04	-----	4.39	4.00	4.39	-----	26 00	7370
1.14	0.82	9.21	8.00	8.33	8.00	0.83	-----	5.40	4.00	5.40	-----	-----	6933
1.10	0.82	8.94	8.00	7.83	8.00	1.11	-----	4.67	4.00	4.67	-----	25 50	5833
1.62	0.82	9.62	8.00	8.38	8.00	1.24	-----	4.40	4.00	4.40	-----	23 50	7050
1.05	0.82	9.45	8.00	8.19	8.00	1.26	-----	4.24	4.00	4.24	-----	23 00	5924
0.92	0.82	9.61	8.00	8.89	8.00	0.72	-----	4.12	4.00	4.12	-----	29 75	7673
1.20	0.82	9.29	8.00	8.05	8.00	1.24	-----	4.36	4.00	4.36	-----	36 00	6045
1.01	0.82	9.87	8.00	9.05	8.00	0.82	-----	4.45	4.00	4.45	-----	7526	7526
2.12	1.65	9.25	8.00	8.13	8.00	1.12	-----	2.23	2.00	2.23	-----	35 00	6211
1.90	1.65	9.67	8.00	8.55	8.00	1.12	-----	2.08	2.00	2.08	-----	27 00	5826
1.13	0.82	8.94	8.00	8.40	8.00	0.54	-----	1.40	1.00	1.40	-----	23 50	6456
1.32	0.82	9.59	8.00	8.47	8.00	1.12	-----	1.91	1.00	1.91	-----	23 00	6558
1.15	0.82	8.97	8.00	8.45	8.00	0.52	-----	1.30	1.00	1.30	-----	21 00	5923
1.85	1.65	10.73	9.00	9.84	9.00	0.94	-----	2.21	2.00	2.21	-----	31 50	7448
1.94	1.65	10.12	9.00	9.26	9.00	0.86	-----	2.30	2.00	2.30	-----	30 20	7471
1.97	1.65	10.41	9.00	9.53	9.00	0.88	-----	2.23	2.00	2.23	-----	29 00	7373
1.67	1.65	10.51	9.00	10.05	9.00	0.46	-----	2.55	2.00	2.55	-----	27 00	7722

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6982	Baugh's Wrapper Leaf Brand Special Manure for Seed Leaf Tobacco, -----	Joseph Grabill, New Holland, -----	% 3.87
6977	Baugh's Wrapper Leaf Brand Special Manure for Seed Leaf Tobacco, -----	J. H. Reitz, Millway, -----	5.66
	BOWKER FERTILIZER COMPANY, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
6545	Bowker's Corn and Grain Grower, -----	M. Beshlin, Warren, -----	4.50
7488	Bowker's Corn and Grain Grower, -----	W. B. Kirkendall, Neseopeek, -----	2.45
7441	Bowker's Corn and Grain Grower, -----	Joe. London, Cloe, -----	3.22
6543	Bowker's Square Brand Farm and Garden Phosphate, -----	M. Beshlin, Warren, -----	6.00
6829	Bowker's Square Brand Farm and Garden Phosphate, -----	Judson Cook, Lake Ariel, -----	5.15
6268	Bowker's Square Brand Farm and Garden Phosphate, -----	J. H. McWhirter, Mereer, -----	5.65
7793	Bowker's Square Brand Farm and Garden Phosphate, -----	J. H. McWhirter, Mercer, -----	1.30
7562	Bowker's Square Brand Farm and Garden Phosphate, -----	J. D. Nixon, Pamassus, -----	2.70
6830	Bowker's Sure Crop Phosphate, -----	Judson Cook, Lake Ariel, -----	5.06
6300	Bowker's Sure Crop Phosphate, -----	S. C. Hunter Co., Washington, -----	4.02
7741	Bowker's Sure Crop Phosphate, -----	C. S. Hunter Co., Washington, -----	1.26
6562	Bowker's Sure Crop Phosphate, -----	Frank S. Lewis, Quakertown, -----	6.02
7563	Bowker's Sure Crop Phosphate, -----	J. D. Nixon, Parnassus, -----	4.54
	W. S. CAPLES & SON, JOHNSTOWN, PA.		
7698	Standard Phosphate, -----	W. S. Caples & Son, Johnstown, -----	2.75
6633	Standard Phosphate, -----	W. S. Caples & Son, Johnstown, -----	3.42
	CENTRAL CHEMICAL CO., HAGERS- TOWN, MD.		
6511	Gro-All Crown Jewell, -----	T. B. Baker, Everett, -----	2.95
7450	Gro-All Crown Jewell, -----	T. B. Baker, Everett, -----	4.85
6367	Gro-All Crown Jewell, -----	A. Ush Sons, Millerstown, -----	5.18
5980	Gro-All Fish and Potash Compound, -----	N. G. Adams, Paxinos, -----	6.60
6845	Gro-All Fish and Potash Compound, -----	R. B. Evans, Ebensburg, -----	4.95
7126	Gro-All Fish and Potash Compound, -----	C. W. Thomas, Danville, -----	3.22
6479	Gro-All Golden Sheaf, -----	T. B. Baker, Everett, -----	2.10
7452	Gro-All Golden Sheaf, -----	T. B. Baker, Everett, -----	4.85
6884	Gro-All Golden Sheaf, -----	E. E. Hepler, Klingertown, -----	4.25
6514	Gro-All Valley Mixture, -----	T. B. Baker, Everett, -----	3.17
7453	Gro-All Valley Mixture, -----	T. B. Baker, Everett, -----	5.60
6878	Gro-All Valley Mixture, -----	E. E. Hepler, Klingertown, -----	5.40
7243	Gro-All Valley Mixture, -----	Roscoe Snyder, Friedens, -----	5.15
	THE COE-MORTIMER COMPANY, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
6156	E. Frank Coe's Columbia Corn and Potato Fertilizer, -----	T. J. Malone, Coburn, -----	7.23
6601	E. Frank Coe's Columbia Corn and Potato Fertilizer, -----	I. W. Scott Co., Pittsburgh, -----	6.82
6800	E. Frank Coe's Columbia Corn and Potato Fertilizer, -----	The Albington Lumber Co., Dalton, -----	6.09
6903	E. Frank Coe's New Englander Special, -----	J. N. Holder, Titusville, -----	5.13
6154	E. Frank Coe's New Englander Special, -----	T. J. Malone, Coburn, -----	6.04
6902	E. Frank Coe's Western New Yorker, -----	J. N. Holder, Titusville, -----	5.51
7062	E. Frank Coe's Western New Yorker, -----	W. P. Lauster, Yatesboro, -----	2.45
6155	E. Frank Coe's Western New Yorker, -----	T. J. Malone, Coburn, -----	7.05
6600	E. Frank Coe's Western New Yorker, -----	I. W. Scott Co., Pittsburgh, -----	7.97
7755	E. Frank Coe's Western New Yorker, -----	I. W. Scott Co., Pittsburgh, -----	8.27
6805	E. Frank Coe's Western New Yorker, -----	The Abington Lumber Co., Dalton, -----	6.32
7047	E. Frank Coe's Western New Yorker, -----	Geo. B. Thomas, Elmsport, -----	4.77

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
*3.06	3.30	5.52	3.50	4.68	3.50	0.84	-----	5.02	5.00	0.60	4.42	34 50	6682
3.20	3.30	5.96	3.50	5.24	3.50	0.72	-----	4.88	5.00	1.60	3.28	-----	6977
1.02	0.82	8.90	9.00	*7.54	8.00	1.36	1.00	4.07	4.00	4.07	-----	32 00	6545
0.94	0.82	8.98	9.00	8.50	8.00	0.48	1.00	4.63	4.00	4.63	-----	25 35	7488
1.04	0.82	9.59	9.00	8.19	8.00	1.40	1.00	4.63	4.00	4.63	-----	25 65	7441
2.01	1.65	9.41	9.00	*7.64	8.00	1.77	1.00	2.38	2.00	2.38	-----	34 00	6513
1.80	1.65	9.20	9.00	8.01	8.00	1.19	1.00	2.35	2.00	2.35	-----	23 55	6829
1.62	1.65	8.39	9.00	*7.45	8.00	0.94	1.00	2.20	2.00	2.20	-----	33 00	6268
1.78	1.65	10.68	9.00	8.82	8.00	1.86	1.00	2.29	2.00	2.29	-----	33 00	7753
1.66	1.65	9.83	9.00	8.17	8.00	1.66	1.00	2.69	2.00	2.69	-----	31 00	7562
1.00	0.82	9.17	9.00	8.17	8.00	1.00	1.00	2.33	2.00	2.33	-----	19 85	6830
0.91	0.82	9.69	9.00	8.91	8.00	0.78	1.00	2.43	2.00	2.43	-----	32 00	6340
1.00	0.82	9.24	9.00	8.76	8.00	0.48	1.00	2.51	2.00	2.51	-----	24 45	7741
1.10	0.82	8.78	9.00	8.02	8.00	0.76	1.00	*1.51	2.00	1.51	-----	29 00	6562
0.83	0.82	9.45	9.00	*7.77	8.00	1.68	1.00	2.04	2.00	2.04	-----	27 00	7563
1.97	2.00	9.49	9.00	7.75	7.00	1.74	2.00	5.93	4.00	5.93	-----	30 00	7698
1.95	2.00	10.20	9.00	7.94	7.00	2.26	2.00	5.34	4.00	5.34	-----	30 00	6633
0.95	0.82	9.39	9.50	*8.49	9.00	0.90	0.50	2.88	3.00	2.88	-----	26 60	6511
1.11	0.82	10.36	9.50	9.48	9.00	0.88	0.50	3.32	3.00	3.32	-----	29 60	7450
0.92	0.82	9.35	9.50	*8.41	9.00	0.94	0.50	3.19	3.00	3.19	-----	23 00	6367
1.11	1.03	9.93	9.50	9.13	9.00	0.80	0.50	2.28	2.00	2.28	-----	29 00	5950
2.20	1.03	12.13	9.50	11.31	9.00	0.82	0.50	3.41	2.00	3.41	-----	32 00	6845
0.98	1.03	10.32	9.50	9.96	9.00	0.36	0.50	2.53	2.00	2.53	-----	26 00	7126
0.97	0.82	7.92	8.50	*7.33	8.00	0.59	0.50	1.14	1.00	1.14	-----	-----	6479
0.90	0.82	8.67	8.50	8.21	8.00	0.46	0.50	2.64	1.00	2.64	-----	26 00	7452
1.30	0.82	9.90	8.50	8.84	8.00	1.06	0.50	4.21	1.00	4.21	-----	35 00	6884
1.61	1.65	9.21	8.50	8.39	8.00	0.82	0.50	2.18	2.00	2.18	-----	28 00	6514
1.80	1.65	9.36	8.50	8.52	8.00	0.84	0.50	2.17	2.00	2.17	-----	31 00	7453
1.52	1.65	13.15	8.50	12.25	8.00	0.90	0.50	2.40	2.00	2.40	-----	28 30	6878
1.55	1.65	8.66	8.50	8.12	8.00	0.54	0.50	4.63	2.00	4.63	-----	27 45	7243
1.58	1.65	8.51	9.00	*7.69	8.00	0.82	1.00	3.45	3.00	3.45	-----	37 90	6156
1.70	1.65	9.31	9.00	8.02	8.00	1.29	1.00	3.39	3.00	3.39	-----	35 00	6601
1.70	1.65	9.17	9.00	8.07	8.00	1.10	1.00	3.28	3.00	3.28	-----	31 00	6806
1.00	0.82	9.81	9.00	7.88	8.00	1.93	1.00	2.29	2.00	2.29	-----	25 50	6903
0.88	0.82	8.44	9.00	*7.52	8.00	0.92	1.00	2.74	2.00	2.74	-----	23 50	6151
0.95	0.82	9.13	9.00	8.19	8.00	0.94	1.00	4.79	4.00	4.79	-----	25 00	6902
0.86	0.82	10.13	9.00	8.67	8.00	1.46	1.00	*2.98	4.00	2.98	-----	26 00	7062
0.95	0.82	9.16	9.00	8.10	8.00	1.06	1.00	4.37	4.00	4.37	-----	25 50	6155
0.89	0.82	9.57	9.00	8.71	8.00	0.86	1.00	4.18	4.00	4.18	-----	32 50	6600
0.94	0.82	9.39	9.00	8.71	8.00	0.68	1.00	4.20	4.00	4.20	-----	32 50	7755
1.15	0.82	9.04	9.00	8.20	8.00	0.84	1.00	4.15	4.00	4.15	-----	28 00	6805
0.95	0.82	9.40	9.00	8.06	8.00	1.34	1.00	4.88	4.00	4.88	-----	25 04	7047

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
	THE CONSUMERS CHEMICAL CORPORATION, AFFILIATED WITH VIRGINIA-CAROLINA CHEMICAL CO., BALTIMORE, MD.		%
7141	Majestic Brand, -----	F. T. Baker, Lewisburg, -----	2.15
6981	Majestic Brand, -----	Wayne Gehman, Denver, -----	4.95
6821	Majestic Brand, -----	Murry & Co., Honesdale, -----	4.57
7142	Model Brand, -----	F. T. Baker, Lewisburg, -----	2.85
6676	Ox Bow Brand, -----	W. A. Buck, Aquashicola, -----	9.15
	THE JAS. G. DOWNWARD CO., COATESVILLE, PA.		
7804	Corn and Wheat Phosphate, -----	A. L. Herr & Brother, Quarryville, ---	2.20
	DUMONT FERTILIZER CO., INC., PHILADELPHIA, PA.		
6444	Dumont's 1-9-3, -----	J. M. Gingerich, Palmyra, -----	4.10
7503	Dumont's 1-9-3, -----	J. M. Gingerich, Palmyra, -----	1.82
6446	Dumont's 2-8-2, -----	J. M. Gingerich, Palmyra, -----	5.17
	AMOS EBY & CO., LEAMAN PLACE, PA.		
6996	Farmers Mixture, -----	Amos Eby & Co., Leaman Place, ---	9.20
7827	Farmers Mixture, -----	Amos Eby & Co., Leaman Place, ---	4.55
6994	Pequea Ammoniated, -----	Amos Eby & Co., Leaman Place, ---	8.56
7824	Pequea Ammoniated, -----	Amos Eby & Co., Leaman Place, ---	1.80
6992	Pequea Economy, -----	Amos Eby & Co., Leaman Place, ---	8.93
7823	Pequea Economy, -----	Amos Eby & Co., Leaman Place, ---	5.60
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.		
7544	Farmers Favorite, -----	Belleville Flour Mills, Belleville, -----	7.25
7113	Farmers Favorite, -----	W. L. Bind & Co., Swengel, -----	7.10
7835	Farmers Favorite, -----	Farmers Fertilizer Works, Elizabeth- town, -----	4.99
5998	Farmers Favorite, -----	Walter Foltz, Belleville, -----	6.30
6377	Farmers Favorite, -----	B. F. Horting, Newport, -----	5.70
7545	Pride of Donegal, -----	Belleville Flour Mills, Belleville, -----	6.85
7832	Pride of Donegal, -----	Farmers Fertilizer Works, Elizabeth- town, -----	5.50
3001	Pride of Donegal, -----	Walter Foltz, Belleville, -----	6.86
6376	Pride of Donegal, -----	B. F. Horting, Newport, -----	6.65
7588	Pride of Donegal, -----	B. F. Horting, Newport, -----	5.45
7837	Special Compound, -----	Farmers Fertilizer Works, Elizabeth- town, -----	4.80
7098	Special Compound, -----	Steininger Brothers, Middleburg, -----	6.55
	GRIFFITH & BOYD CO., BALTI- MORE, MD.		
6175	Griffith & Boyd Co.'s Cereal Plant Food, -----	Mahoning Hardware & Implement Co., Punxsutawney, -----	8.25
6287	Griffith & Boyd Co.'s Cereal Plant Food, -----	W. M. Templeton & Sons, Huston, ---	7.62
7149	Griffith & Boyd Co.'s Economizer, -----	E. A. Slagle, Paxinos, -----	1.92
7119	Griffith & Boyd Co.'s Farmers Queen, -----	Frank Reece, Muncy, -----	4.07
6723	Griffith & Boyd Co.'s Fish and Pot- ash Guano, -----	J. E. Callahan & Sons, Montoursville, ---	2.33
7814	Griffith & Boyd Co.'s Fish and Pot- ash Guano, -----	John Greenleaf, Quarryville, -----	4.60
7056	Griffith & Boyd Co.'s Fish and Pot- ash Guano, -----	Hartley & Blaine, Turbotville, -----	3.25
6450	Griffith & Boyd Co.'s Fish and Pot- ash Guano, -----	Harry Smith, Bellefonte, -----	3.63

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.97	0.82	8.47	9.00	8.13	8.00	0.34	1.00	4.34	4.00	4.34	-----	25 40	7141
0.92	0.82	8.50	9.00	7.98	8.00	0.52	1.00	4.03	4.00	4.03	-----	24 00	6981
0.91	0.82	8.71	9.00	8.09	8.00	0.62	1.00	4.14	4.00	4.14	-----	20 00	6821
0.80	0.82	8.70	9.00	8.14	8.00	0.56	1.00	*1.42	2.00	1.42	-----	24 50	7142
0.85	0.82	10.82	9.00	10.10	8.00	0.72	1.00	1.22	1.00	1.22	-----	-----	6676
*1.43	1.65	8.58	8.00	7.76	7.00	0.82	1.00	4.73	4.00	4.73	-----	-----	7804
1.11	0.83	10.93	9.50	9.87	9.00	1.06	0.50	4.32	3.00	4.32	-----	-----	6144
0.81	0.82	12.45	9.50	11.33	9.00	1.12	0.50	3.94	3.00	3.94	-----	-----	7503
1.91	1.65	9.67	8.50	8.43	8.00	1.24	0.50	2.88	2.00	2.88	-----	-----	6416
0.57	0.42	8.94	9.00	8.40	8.00	0.54	1.00	1.82	1.00	1.82	-----	21 00	6996
0.75	0.41	10.29	9.00	9.27	8.00	1.02	1.00	1.78	1.00	1.78	-----	-----	7827
0.91	0.82	11.24	12.00	10.56	10.00	0.68	2.00	3.11	2.00	3.11	-----	25 00	6994
1.07	0.82	11.79	12.00	10.93	10.00	0.86	2.00	2.17	2.00	2.17	-----	-----	7824
1.91	1.64	10.56	11.00	9.58	9.00	0.98	2.00	2.79	2.00	2.79	-----	28 00	6992
1.86	1.64	11.49	11.00	9.91	9.00	1.58	2.00	2.76	2.00	2.76	-----	-----	7823
0.95	0.82	9.75	9.00	9.29	8.00	0.46	1.00	4.95	4.00	4.95	-----	24 00	7544
0.95	0.82	9.29	9.00	8.83	8.00	0.46	1.00	5.16	4.00	5.16	-----	24 00	7113
0.84	0.82	10.27	9.00	9.11	8.00	1.26	1.00	4.98	4.00	4.98	-----	-----	7835
1.00	0.82	9.57	9.00	9.09	8.00	0.48	1.00	4.81	4.00	4.81	-----	23 00	5998
0.83	0.82	9.35	9.00	8.93	8.00	0.42	1.00	4.45	4.00	4.45	-----	22 25	6977
1.76	1.65	9.58	8.00	8.98	7.00	0.60	1.00	3.69	3.00	3.69	-----	27 00	7545
1.59	1.65	11.23	8.00	9.75	7.00	1.48	1.00	3.10	3.00	3.10	-----	-----	7832
1.60	1.65	8.73	8.00	8.19	7.00	0.54	1.00	3.46	3.00	3.46	-----	27 00	6001
1.73	1.65	7.82	8.00	7.20	7.00	0.62	1.00	3.37	3.00	3.37	-----	24 25	6876
1.79	1.65	9.67	8.00	8.83	7.00	0.84	1.00	3.76	3.00	3.76	-----	25 25	7538
1.00	0.82	9.75	9.00	9.01	8.00	0.74	1.00	2.95	2.00	2.95	-----	-----	7837
1.00	0.82	9.50	9.00	9.30	8.00	0.50	1.00	2.93	2.00	2.93	-----	24 00	7098
1.53	0.82	8.11	9.50	*7.79	8.00	0.32	1.00	3.01	2.00	3.01	-----	35 00	6175
1.10	0.82	8.14	9.00	7.92	8.00	0.52	1.00	2.52	2.00	2.52	-----	27 25	6227
0.60	0.41	6.98	7.00	5.98	6.00	1.00	1.00	1.20	1.00	1.20	-----	21 00	7149
0.95	0.82	10.68	10.00	9.72	9.00	0.96	1.00	4.50	3.00	4.50	-----	-----	7 19
1.44	1.44	8.39	8.00	7.53	7.00	0.86	1.00	3.22	3.00	3.22	-----	20 00	6723
1.53	1.44	8.58	8.00	7.50	7.00	1.08	1.00	3.73	3.00	3.73	-----	-----	7814
1.59	1.44	8.48	8.00	7.30	7.00	1.18	1.00	3.63	3.00	3.63	-----	28 00	7056
1.80	1.44	8.33	8.00	7.59	7.00	0.74	1.00	3.15	3.00	3.15	-----	23 05	6450

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
6861	Griffith & Boyd Co.'s Fish, Blood and Potash,	Dayton Milling Co., Dayton, -----	% 5.49
7068	Griffith & Boyd Co.'s Fish, Blood and Potash,	Dayton Milling Co., Dayton, -----	4.32
7567	Griffith & Boyd Co.'s Fish, Blood and Potash,	Wm. Gates Estate, Kittanning, -----	6.57
6586	Griffith & Boyd Co.'s Fish, Blood and Potash,	Hoburg Brothers, Etna, -----	5.52
7756	Griffith & Boyd Co.'s Fish, Blood and Potash,	Hoburg Brothers, Etna, -----	5.22
5901	Griffith & Boyd Co.'s Fish, Blood and Potash,	Houck & Cherrington, Catawissa, ---	6.74
6013	Griffith & Boyd Co.'s Fish, Blood and Potash,	H. S. Limbert, Center Hall, -----	6.70
7748	Griffith & Boyd Co.'s Fish, Blood and Potash,	W. M. Templeton & Sons, Houston, ---	1.25
6024	Griffith & Boyd Co.'s General Crop Grower,	J. F. Hogsett & Son, Uniontown, ---	8.10
6010	Griffith & Boyd Co.'s General Crop Grower,	H. S. Limbert, Center Hall, -----	9.41
6725	Griffith & Boyd Co.'s Peerless Fertilizer,	J. E. Callahan & Sons, Montoursville, ---	3.72
7058	Griffith & Boyd Co.'s Peerless Fertilizer,	Hartley & Blaine, Turbotville, -----	3.55
5915	Griffith & Boyd Co.'s Peerless Fertilizer,	Charles G. Kleckner, Millmont, -----	6.47
6286	Griffith & Boyd Co.'s Peerless Fertilizer,	W. M. Templeton & Sons, Huston, ---	6.17
7747	Griffith & Boyd Co.'s Peerless Fertilizer,	W. M. Templeton & Sons, Huston, ---	2.11
6721	Griffith & Boyd Co.'s Royal Potash Guano,	J. E. Callahan & Sons, Montoursville, ---	3.01
7177	Griffith & Boyd Co.'s Royal Potash Guano,	Howard E. Degler, Bernville, -----	3.25
7035	Griffith & Boyd Co.'s Royal Potash Guano,	Hartley & Blaine, Turbotville, -----	6.45
5918	Griffith & Boyd Co.'s Royal Potash Guano,	Charles G. Kleckner, Millmont, -----	6.59
7612	Griffith & Boyd Co.'s Royal Potash Guano,	Windsor Castle Farmers Alliance, Windsor Castle, -----	5.20
7148	Griffith & Boyd Co.'s Valley Fertilizer, S. M. HESS & BROTHER, INC., SUB- SIDIARY OF THE AMERICAN AGRI- CULTURAL CHEMICAL CO., NEW YORK, N. Y.	E. A. Siagle, Paxinos, -----	2.62
7110	Ammoniated Superphosphate, -----	J. R. Iddings, Mifflinburg, -----	4.82
6195	Fish and Potash Manure, -----	Chas. M. Harter, Wapwallopen, -----	6.31
6481	Keystone Phosphate, -----	J. R. Iddings, Mifflinburg, -----	2.39
7143	Keystone Phosphate, -----	J. R. Iddings, Mifflinburg, -----	4.07
6466	Special Compound, -----	George H. Emerick, Center Hall, -----	4.67
7355	Special Compound, -----	George H. Emerick, Center Hall, -----	4.97
7112	Special Compound, -----	J. R. Iddings, Mifflinburg, -----	3.55
6702	Special Compound, -----	W. A. Yost, New Ringgold, -----	6.80
7354	Wheat, Corn and Grass Manure, -----	George H. Emerick, Center Hall, -----	4.62
7145	Wheat, Corn and Grass Manure, -----	J. R. Iddings, Mifflinburg, -----	3.82
6590	Wheat, Corn and Grass Manure, -----	J. E. Jackson, Everett, -----	3.25
6703	Wheat, Corn and Grass Manure, -----	W. A. Yost, New Ringgold, -----	6.70
HUBBARD FERTILIZER CO., BALTIMORE, MD.		John A. McGee Co., Clarion, -----	1.85
7707	Hubbard's Climax Phosphate, -----	H. W. Smith, Rural Valley, -----	3.05
7061	Hubbard's Climax Phosphate, -----	Coburn Grain & Creamery Co., -----	3.35
7345	Hubbard's Farmers I. X. L., -----	Coburn, -----	

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.71	1.44	8.28	8.00	7.06	7.00	1.22	1.00	2.50	2.00	2.50	-----	29 00	6861
1.58	1.44	8.15	8.00	7.03	7.00	1.12	1.00	2.09	2.00	2.09	-----	27 00	7068
1.60	1.44	8.39	8.00	7.39	7.00	1.00	1.00	2.02	2.00	2.02	-----	32 00	7567
1.55	1.44	8.48	8.00	7.14	7.00	1.34	1.00	2.30	2.00	2.30	-----	31 00	6586
1.57	1.44	8.19	8.00	7.11	7.00	1.08	1.00	2.03	2.00	2.03	-----	33 00	7756
1.65	1.44	8.56	8.00	7.50	7.00	1.06	1.00	2.43	2.00	2.43	-----	25 50	5901
1.49	1.44	8.21	8.00	7.37	7.00	0.84	1.00	2.63	2.00	2.63	-----	27 50	6913
1.74	1.44	8.48	8.00	7.46	7.00	1.02	1.00	2.07	2.00	2.07	-----	26 65	7748
1.64	1.65	9.22	9.00	8.56	8.00	0.66	1.00	2.11	2.00	2.11	-----	30 00	6034
1.61	1.65	9.36	9.00	8.62	8.00	0.74	1.00	2.36	2.00	2.36	-----	28 50	6010
0.61	0.41	9.11	9.00	8.61	8.00	0.50	1.00	2.36	2.00	2.36	-----	25 00	6725
0.73	0.41	9.67	9.00	8.15	8.00	1.52	1.00	2.64	2.00	2.64	-----	23 00	7058
0.70	0.41	9.21	9.00	8.65	8.00	0.56	1.00	2.34	2.00	2.34	-----	20 50	5915
0.50	0.41	8.71	9.00	8.27	8.00	0.44	1.00	2.48	2.00	2.48	-----	25 40	6286
0.64	0.41	9.61	9.00	8.35	8.00	1.26	1.00	2.05	2.00	2.05	-----	23 00	7747
1.16	0.82	9.48	9.00	8.10	8.00	1.38	1.00	4.13	4.00	4.13	-----	30 00	6721
1.15	0.82	10.18	9.00	8.84	8.00	1.34	1.00	4.54	4.00	4.54	-----	25 00	7177
1.00	0.82	9.83	9.00	8.43	8.00	1.40	1.00	4.27	4.00	4.27	-----	24 00	7035
1.03	0.82	8.93	9.00	*7.63	8.00	1.30	1.00	4.13	4.00	4.13	-----	23 50	5918
0.95	0.82	9.41	9.00	8.15	8.00	1.26	1.00	4.55	4.00	4.55	-----	22 42	7612
0.80	0.62	9.57	9.00	8.33	8.00	1.24	1.00	*2.69	3.00	2.69	-----	24 00	7148
1.75	1.65	10.17	9.00	9.07	8.00	1.10	1.00	2.39	2.00	2.39	-----	27 00	7110
1.82	1.65	8.55	9.00	8.21	8.00	0.34	1.00	3.17	3.00	3.17	-----	28 05	6195
0.83	0.82	9.26	9.00	8.06	8.00	1.20	1.00	1.32	1.00	1.32	-----	22 50	6481
1.10	0.82	9.71	9.00	8.65	8.00	1.06	1.00	1.69	1.00	1.69	-----	23 00	7143
1.14	0.82	8.58	9.00	*7.69	8.00	0.89	1.00	4.71	4.00	4.71	-----	-----	6466
1.00	0.82	9.55	9.00	8.27	8.00	1.28	1.00	4.38	4.00	4.38	-----	26 95	7355
0.99	0.82	10.14	9.00	8.86	8.00	1.28	1.00	3.97	4.00	3.97	-----	25 10	7112
1.00	0.82	9.25	9.00	8.01	8.00	1.24	1.00	4.31	4.00	4.31	-----	27 50	6702
1.00	0.82	9.59	9.00	8.15	8.00	1.44	1.00	2.00	2.00	2.00	-----	25 45	7354
1.00	0.82	9.95	9.00	8.89	8.00	1.06	1.00	3.13	2.00	3.13	-----	23 75	7145
0.98	0.82	9.36	9.00	8.30	8.00	1.06	1.00	2.58	2.00	2.58	-----	27 00	6520
0.86	0.82	9.06	9.00	8.22	8.00	0.84	1.00	2.25	2.00	2.25	-----	23 00	6703
0.88	0.82	8.37	8.00	7.85	7.00	0.52	1.00	4.23	4.00	4.23	-----	32 00	7707
1.19	0.82	9.27	8.00	8.45	7.00	0.82	1.00	4.11	4.00	4.11	-----	25 00	7061
2.03	1.64	9.15	9.00	8.05	8.00	1.10	1.00	2.12	2.00	2.12	-----	28 50	7345

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
			%
5858	Hubbard's Farmers I. X. L., -----	J. T. Davis, Blairsville, -----	4.45
7594	Hubbard's Farmers I. X. L., -----	E. R. Loy, Loysville, -----	2.85
6006	Hubbard's Farmers I. X. L., -----	Reed McNitt, Milroy, -----	4.90
7237	Hubbard's Farmers I. X. L., -----	W. G. Oglie, Somerset, -----	4.10
6150	Hubbard's Fish and Potash Mixture, ---	T. J. Malone, Coburn, -----	5.79
7348	Hubbard's 1-8-2 Fertilizer, -----	Coburn Grain & Creamery Co., Coburn	3.65
6428	Hubbard's 1-8-4 Fertilizer, -----	H. J. Beam, Big Run, -----	3.86
7344	Hubbard's 1-8-4 Fertilizer, -----	Coburn Grain & Creamery Co., Coburn	3.20
6501	Hubbard's 1-8-4 Fertilizer, -----	J. W. Herman, Beaver Springs, -----	2.36
6232	Hubbard's 1-8-4 Fertilizer, -----	Andrew Karg, Oil City, -----	6.02
6149	Hubbard's 1-8-4 Fertilizer, -----	T. J. Malone, Coburn, -----	4.54
7235	Hubbard's 1-8-4 Fertilizer, -----	W. G. Oglie, Somerset, -----	3.50
7409	Hubbard's 1-8-4 Fertilizer, -----	Solomon & Waltz, Jersey Shore, -----	2.65
7347	Hubbard's 1-9-3 Fertilizer, -----	Coburn Grain & Creamery Co., Coburn	4.70
7294	Hubbard's 1-9-3 Fertilizer, -----	Dillsburg Grain & Milling Co., Dills-	
		burg, -----	2.80
6654	Hubbard's 1-9-3 Fertilizer, -----	Vincent Huber, Patton, -----	2.77
7595	Hubbard's 1-9-3 Fertilizer, -----	E. R. Loy, Loysville, -----	3.27
7072	Hubbard's 1-9-3 Fertilizer, -----	R. C. Wilson, Dayton, -----	3.25
	INTERNATIONAL AGRICULTURAL CORPORATION, BUFFALO FERTI- LIZER WORKS, BUFFALO, N. Y.		
7533	Buffalo Tip Top, -----	B. Corwin, Pleasantville, -----	3.47
	THE JARECKI CHEMICAL CO., (ARMOUR OWNED), SANDUSKY, OHIO.		
7426	Jarecki's Grain Grower 2-8-2, -----	Craft & Bowers, Big Run, -----	2.10
6037	Jarecki's Grain Grower 2-8-2, -----	Fayette Farmers Supply, Uniontown, --	6.70
6533	Jarecki's Grain Grower 2-8-2, -----	Rigdway Grist Mills, Rigdway, -----	6.13
6240	Jarecki's Grain Grower 2-8-2, -----	Sanford & Runninger, Franklin, -----	7.45
6897	Jarecki's 1-8-4 Fertilizer, -----	J. L. Alcorn, Titusville, -----	4.51
6431	Jarecki's 1-8-4 Fertilizer, -----	Craft & Bowers, Big Run, -----	5.64
7428	Jarecki's 1-8-4 Fertilizer, -----	Craft & Bowers, Big Run, -----	2.57
7323	Jarecki's 1-8-4 Fertilizer, -----	S. P. Marsh, Oil City, -----	4.05
7639	Jarecki's 1-8-4 Fertilizer, -----	O. Mitchell & Son, Mill Village, -----	2.50
	KEYSTONE BONE FERTILIZER CO., PHILADELPHIA, PA.		
7627	Keystone Excelsior Wheat Grower, ---	Alfred Bayer, Lenhartsville, -----	5.57
7184	Keystone Excelsior Wheat Grower, ---	Titus Merkel, Shoemakersville, -----	5.30
6700	Keystone Excelsior Wheat Grower, ---	F. S. Nester, New Ringgold, -----	5.13
	LANCASTER BONE FERTILIZER CO., LANCASTER, PA.		
7632	Conestoga Brand General Crop Grower, ---	Frank H. Rentschler, Shartelsville, ---	3.12
7580	Conestoga Brand General Crop Grower, ---	Thompsonstown Auto Co., Thompson-	
		town, -----	2.30
7298	Conestoga Brand Special Guano, -----	J. E. Cook, Dillsburg, -----	4.62
7798	Conestoga Brand Special Guano, -----	Johnson-Byer Co., Rural Valley, -----	4.12
7817	Conestoga Brand Special Guano, -----	Lancaster Bone Fertilizer Co., Quarry-	
		ville, -----	4.77
7631	Conestoga Grain Special, -----	Frank H. Rentschler, Shartelsville, ---	5.50
7820	Pequea Special, -----	Lancaster Bone Fertilizer Co., Quarry-	
		ville, -----	2.07
	LANCASTER CHEMICAL CO., LANCASTER, PA.		
7605	No. 12 Wheat Special, -----	C. F. Gelbach, Duncannon, -----	6.05
7604	No. 14 Wheat and Grass, -----	C. F. Gelbach, Duncannon, -----	4.50
7224	Suecess Brand, -----	Frey Hardware, Muney, -----	5.85

PLETE FERTILIZERS—Continued.

NITRO-GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.77	1.64	9.44	9.00	8.40	8.00	1.04	1.00	2.45	2.00	2.45	-----	30 00	5858
1.54	1.64	9.17	9.00	8.59	8.00	0.58	1.00	2.13	2.00	2.13	-----	-----	7594
1.66	1.64	8.81	9.00	8.09	8.00	0.72	1.00	2.34	2.00	2.34	-----	23 80	6006
1.69	1.64	9.58	9.00	8.90	8.00	0.68	1.00	2.36	2.00	2.36	-----	27 25	7237
1.27	0.41	8.74	9.00	8.32	8.00	0.42	1.00	2.75	2.00	2.75	-----	22 65	6150
0.89	0.82	9.15	9.00	8.49	8.00	0.66	1.00	2.79	2.00	2.29	-----	25 25	7348
1.09	0.82	8.55	9.00	*7.31	8.00	1.24	1.00	4.13	4.00	4.13	-----	28 00	6428
0.83	0.82	9.12	9.00	8.68	8.00	0.44	1.00	4.60	4.60	4.60	-----	26 75	7344
0.95	0.82	9.02	9.00	8.00	8.00	1.02	1.00	4.31	4.00	4.31	-----	23 56	6501
0.95	0.82	9.73	9.00	8.85	8.00	0.88	1.00	3.95	4.00	3.95	-----	30 00	6232
1.20	0.82	8.78	9.00	8.14	8.00	0.64	1.00	5.00	4.00	5.00	-----	25 50	6149
0.95	0.82	9.10	9.00	8.68	8.00	0.42	1.00	4.52	4.00	4.52	-----	25 50	7235
0.95	0.82	9.30	9.00	8.74	8.00	0.56	1.00	4.10	4.00	4.10	-----	25 00	7409
0.95	0.82	10.46	10.00	9.78	9.00	0.68	1.00	3.06	3.00	3.06	-----	26 50	7347
1.11	0.82	10.35	10.00	9.67	9.00	0.68	1.00	3.53	3.00	3.53	-----	-----	7294
1.00	0.82	10.66	10.00	9.58	9.00	1.08	1.00	3.56	3.00	3.56	-----	26 00	6654
1.01	0.82	10.51	10.00	9.93	9.00	0.58	1.00	3.38	3.00	3.38	-----	-----	7595
1.00	0.82	10.83	10.00	9.91	9.00	0.92	1.00	3.19	3.00	3.19	-----	27 55	7072
0.95	0.80	9.32	9.00	8.64	8.00	0.68	1.00	4.68	4.00	4.68	-----	-----	7333
1.94	1.65	8.42	8.50	8.16	8.00	0.26	0.50	2.58	2.00	2.58	-----	32 00	7426
1.90	1.65	8.93	8.50	8.21	8.00	0.72	0.50	2.34	2.00	2.34	-----	35 00	6037
1.79	1.65	8.64	8.50	7.86	8.00	0.78	0.50	2.63	2.00	2.63	-----	30 00	6533
1.66	1.65	8.94	8.50	*7.62	8.00	1.32	0.50	2.09	2.00	2.09	-----	28 00	6240
0.90	0.82	9.45	8.50	8.57	8.00	0.88	0.50	*3.76	4.00	3.76	-----	27 00	6897
1.20	0.82	8.62	8.50	7.88	8.00	0.74	0.50	4.63	4.00	4.63	-----	26 00	6431
0.95	0.82	8.23	8.50	7.95	8.00	0.28	0.50	4.90	4.00	4.90	-----	29 25	7428
0.95	0.82	8.76	8.50	7.88	8.00	0.88	0.50	4.71	4.00	4.71	-----	32 00	7323
0.95	0.82	10.20	8.50	9.14	8.00	1.06	0.50	4.40	4.00	4.40	-----	30 00	7639
1.11	0.82	9.25	9.00	8.37	8.00	0.88	1.00	4.67	4.00	4.67	-----	24 00	7627
1.13	0.82	9.55	9.00	8.77	8.00	0.78	1.00	4.91	4.00	4.91	-----	24 50	7184
1.10	0.82	8.71	9.00	8.21	8.00	0.50	1.00	5.14	4.00	5.14	-----	25 25	6700
1.60	1.60	9.24	9.00	8.72	8.00	0.52	1.00	2.41	2.00	2.41	-----	28 00	7632
1.91	1.60	9.48	9.00	8.62	8.00	0.86	1.00	2.41	2.00	2.41	-----	25 50	7580
0.98	0.82	10.26	10.00	9.82	9.00	0.44	1.00	3.69	3.00	3.69	-----	-----	7298
0.94	0.82	10.75	10.00	10.31	9.00	0.44	1.00	3.52	3.00	3.52	-----	28 00	7798
0.84	0.82	11.86	10.00	11.54	9.00	0.32	1.00	3.09	3.00	3.09	-----	-----	7817
0.82	0.82	9.18	9.00	8.64	8.00	0.54	1.00	2.52	2.00	2.52	-----	24 25	7631
1.77	1.60	9.24	9.00	8.62	8.00	0.62	1.00	3.31	3.00	3.31	-----	-----	7820
2.00	1.64	9.99	-----	9.49	8.00	0.50	1.00	2.46	2.00	2.46	-----	25 00	7605
1.21	0.82	10.97	-----	10.29	8.00	0.68	1.00	2.53	2.00	2.53	-----	21 50	7604
1.14	0.82	10.40	-----	9.74	8.00	0.66	1.00	4.41	4.00	4.41	-----	25 00	7224

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture:
			%
LEBANON FERTILIZER WORKS, LEBANON, PA.			
6497	Levan's One Eight Four, -----	C. F. Gelbach, Duncannon, -----	3.61
6622	Levan's One Eight Four, -----	H. L. Herr & Brother, Quarryville, ---	3.90
7247	Levan's One Eight Four, -----	Vincent Huber, Patton, -----	5.25
7415	Levan's One Eight Four, -----	Solomon & Waltz, Jersey Shore, -----	3.75
6682	Levan's One Eight Two, -----	John A. Bayer, Hamburg, -----	4.33
7633	Levan's One Eight Two, -----	John A. Bayer, Hamburg, -----	3.62
6695	Levan's One Eight Two, -----	Harry Keefer, Pine Grove, -----	4.39
7413	Levan's One Eight Two, -----	Solomon & Waltz, Jersey Shore, -----	3.60
6667	Levan's Two Eight Two, -----	Alvin R. Green, Leighton, -----	4.90
7803	Levan's Two Eight Two, -----	A. L. Herr & Brother, Quarryville, ---	6.55
THE MAPES FORMULA & PERUVIAN GUANO CO., NEW YORK, N. Y.			
6567	The Mapes Grain Brand, -----	A. H. Weaver, Norristown, -----	6.79
THE MILLER FERTILIZER CO., BALTIMORE, MD.			
7705	Miller's Club Brand, -----	Ditz & Mooney, Clarion, -----	2.57
5942	Miller's Club Brand, -----	Hartley & Blaine, Turbotville, -----	7.26
7091	Miller's Club Brand, -----	Hartley & Blaine, Turbotville, -----	2.62
6719	Miller's Club Brand, -----	Herman Keebler, Montoursville, -----	1.98
6106	Miller's Club Brand, -----	George M. Kutz, Kutztown, -----	5.26
5922	Miller's Grain Grower, -----	Francis T. Baker, Lewisburg, -----	4.38
6835	Miller's Grain Grower, -----	Chas. C. Bell, Nanticoke, -----	2.02
7704	Miller's Grain Grower, -----	Ditz & Mooney, Clarion, -----	1.60
7217	Miller's Grain Grower, -----	H. L. Ort, Pennsdale, -----	2.35
7637	Miller's Grain Grower, -----	Harvey S. Yoder, Hamburg, -----	3.10
5920	Miller's Harvest Queen, -----	Francis T. Baker, Lewisburg, -----	6.48
7140	Miller's Harvest Queen, -----	Francis T. Baker, Lewisburg, -----	3.42
5843	Miller's Harvest Queen, -----	M. C. Deitz & Son, Mechanicsburg, ---	3.28
6104	Miller's Harvest Queen, -----	George M. Kutz, Kutztown, -----	6.76
7179	Miller's Harvest Queen, -----	P. S. Shappell, Shoemakersville, -----	1.65
6834	Miller's Hustler Phosphate, -----	Chas. C. Bell, Nanticoke, -----	2.92
6105	Miller's Hustler Phosphate, -----	Geo. M. Kutz, Kutztown, -----	7.00
7161	Miller's Hustler Phosphate, -----	John Phillips & Sons, Sunbury, -----	3.35
6773	Miller's Hustler Phosphate, -----	Routh & Swartzel, Clearfield, -----	2.68
7182	Miller's Hustler Phosphate, -----	P. S. Shappell, Shoemakersville, -----	3.00
NITRATE AGENCIES COMPANY, BALTIMORE, MD.			
6768	Naeo Brand 2-8-2, -----	Clearfield County Cooperative Association, Clearfield, -----	4.23
G. OBER & SONS CO., BALTIMORE, MD.			
6786	Ober's Farmers Mixture, -----	E. E. Kell, Shade Gap, -----	6.35
7789	Ober's Farmers Mixture, -----	Thompson & Glenn, Butler, -----	5.50
6256	Ober's Golden Top Wheat and Corn Grower, -----	Graham Brothers, Darlington, -----	7.30
6492	Ober's Stag Guano, -----	J. S. Cole, Millville, -----	4.92
6787	Ober's Stag Guano, -----	E. E. Kell, Shade Gap, -----	5.46
6933	Ober's Stag Guano, -----	Peter Shaffer & Son, New Brighton, ---	8.30
7760	Ober's Stag Guano, -----	Peter Shaffer & Son, New Brighton, ---	4.52
OXFORD PACKING WORKS, OXFORD, PA.			
6579	O. P. W. No. 2, -----	Oxford Packing Works, Oxford, -----	6.73
OYLER & SPANGLER FERTILIZER WORKS, INC., GETTYSBURG, PA.			
7552	O. & S. Gettysburg, -----	Wm. B. Barnitz, Carlisle, -----	3.75
7551	O. & S. Golden Sheaf, -----	Wm. B. Barnitz, Carlisle, -----	5.07

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Guaranteed.	Found.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Sulphate.	Present as Muriate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.88	0.82	8.42	9.00	8.00	8.00	0.42	1.00	4.04	4.00	4.04	-----	22 50	6497
0.88	0.82	8.33	9.00	8.01	8.00	0.32	1.00	4.27	4.00	4.27	-----	26 50	6622
0.91	0.82	8.43	9.00	8.29	8.00	0.14	1.00	4.20	4.00	4.20	-----	26 50	7247
1.00	0.82	8.76	9.00	8.62	8.00	0.14	1.00	4.74	4.00	4.74	-----	25 00	7415
0.82	0.82	8.42	9.00	7.96	8.00	0.46	1.00	2.26	2.00	2.26	-----	24 75	6682
0.95	0.82	8.70	9.00	8.28	8.00	0.42	1.00	2.29	2.00	2.29	-----	24 75	7633
0.98	0.82	9.51	9.00	9.13	8.00	0.38	1.00	2.41	2.00	2.41	-----	23 50	6695
0.87	0.82	8.44	9.00	8.28	8.00	0.16	1.00	2.39	2.00	2.39	-----	23 50	7413
1.74	1.65	9.21	9.00	8.21	8.00	1.00	1.00	2.58	2.00	2.58	-----	25 90	6667
1.76	1.65	8.56	9.00	8.32	8.00	0.24	1.00	2.70	2.00	2.70	-----	-----	7803
2.24	1.65	10.56	10.00	9.10	8.00	1.46	2.00	2.63	2.00	1.80	0.83	35 00	6567
0.68	0.41	8.43	8.50	8.11	8.00	0.32	0.50	2.69	2.00	2.69	-----	26 00	7705
0.58	0.41	9.18	8.50	8.64	8.00	0.54	0.50	2.25	2.00	2.25	-----	23 00	5942
0.67	0.41	8.93	8.50	8.57	8.00	0.36	0.50	2.49	2.00	2.49	-----	23 00	7091
0.77	0.41	8.98	8.50	8.24	8.00	0.74	0.50	2.27	2.00	2.27	-----	23 00	6719
0.66	0.41	9.07	8.50	8.49	8.00	0.58	0.50	2.00	2.00	2.00	-----	21 00	6106
1.17	0.82	9.64	8.50	9.02	8.00	0.62	0.50	4.30	4.00	4.30	-----	25 00	5922
1.10	0.82	8.98	8.50	8.28	8.00	0.70	0.50	4.57	4.00	4.57	-----	23 45	6835
0.83	0.82	9.76	8.50	9.24	8.00	0.52	0.50	4.74	4.00	4.74	-----	28 00	7704
1.07	0.82	8.95	8.50	8.19	8.00	0.76	0.50	4.67	4.00	4.67	-----	27 00	7217
1.08	0.82	9.87	8.50	8.77	8.00	1.10	0.50	4.35	4.00	4.35	-----	23 95	7637
1.96	0.82	9.91	9.50	8.89	9.00	1.02	0.50	3.39	3.00	3.39	-----	25 00	5920
1.00	0.82	10.45	9.50	9.61	9.00	0.84	0.50	3.73	3.00	3.73	-----	25 40	7140
0.86	0.82	10.05	9.50	9.33	9.00	0.72	0.50	3.41	3.00	3.41	-----	24 00	6104
0.95	0.82	9.96	9.50	9.08	9.00	0.88	0.50	3.11	3.00	3.11	-----	26 00	7179
1.06	0.82	10.51	9.50	9.85	9.00	0.66	0.50	3.52	3.00	3.52	-----	24 00	6834
1.02	0.82	9.50	8.50	8.68	8.00	0.82	0.50	1.40	1.00	1.40	-----	21 45	6105
0.99	0.82	9.03	8.50	8.09	8.00	0.94	0.50	1.22	1.00	1.22	-----	22 00	7161
1.10	0.82	9.75	8.50	9.01	8.00	0.74	0.50	1.54	1.00	1.54	-----	27 00	6773
1.00	0.82	9.52	8.50	8.62	8.00	0.90	0.50	1.45	1.00	1.45	-----	24 00	7182
1.10	0.82	9.21	8.50	8.55	8.00	0.66	0.50	1.85	1.00	1.85	-----	-----	-----
1.90	1.64	8.78	8.50	8.22	8.00	0.56	0.50	2.44	2.00	2.44	-----	27 35	6768
1.22	0.82	10.98	10.00	9.66	9.00	1.32	1.00	2.44	2.00	2.44	-----	23 00	6786
1.06	0.82	10.88	10.00	10.16	9.00	0.72	1.00	2.54	2.00	2.54	-----	30 00	7789
1.14	0.82	9.54	10.00	9.00	9.00	0.54	1.00	3.39	3.00	3.39	-----	28 00	6256
0.99	0.82	10.03	9.00	9.33	8.00	0.70	1.00	4.67	4.00	4.67	-----	22 50	6492
1.05	0.82	10.42	9.00	9.52	8.00	0.90	1.00	4.21	4.00	4.21	-----	-----	6787
0.91	0.82	9.87	9.00	9.23	8.00	0.64	1.00	4.33	4.00	4.33	-----	-----	6933
0.95	0.82	9.67	9.00	8.85	8.00	0.82	1.00	4.58	4.00	4.58	-----	27 00	7760
1.70	1.44	11.28	10.00	9.98	9.00	1.80	1.00	2.46	2.00	2.46	-----	26 00	6579
1.83	1.65	9.24	8.50	8.42	8.00	0.82	0.50	2.10	2.00	2.10	-----	-----	7552
0.94	0.82	9.11	8.50	8.47	8.00	0.64	0.50	1.17	1.00	1.17	-----	-----	7551

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
PATAPSCO GUANO, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., BALTIMORE, MD.			
7568	Patapsco Coon Brand Guano, -----	Wm. Gates Estate, Kittanning, -----	4.85
6278	Patapsco Coon Brand Guano, -----	H. T. Gelbach, Evans City, -----	6.77
7772	Patapsco Coon Brand Guano, -----	J. J. Kennedy & Sons, Zelienople, -----	2.00
6291	Patapsco Coon Brand Guano, -----	Russell Brothers, Washington, -----	5.15
7744	Patapsco Coon Brand Guano, -----	Russell Brothers, Washington, -----	8.04
6292	Patapsco Planters Favorite, -----	Russell Brothers, Washington, -----	4.78
5893	Patapsco Sea Gull Guano, -----	E. C. Thomas, Gettysburg, -----	5.72
PATUXENT GUANO COMPANY, BALTIMORE, MD.			
6391	Beaver Brand Guano, -----	Charles S. Brunner, New Bloomfield, ---	6.80
7598	Beaver Brand Guano, -----	Charles S. Brunner, New Bloomfield, ---	4.82
7289	Beaver Brand Guano, -----	Dillsburg Grain & Milling Co., Dills- burg, -----	2.37
6387	Patuxent Farmers Friend, -----	Charles S. Brunner, New Bloomfield, ---	6.03
7599	Patuxent Farmers Friend, -----	Charles S. Brunner, New Bloomfield, ---	5.60
6390	Patuxent Fish Guano, -----	Charles S. Brunner, New Bloomfield, ---	5.46
5838	Patuxent Fish Guano, -----	M. C. Deitz & Son Mechanicsburg, ---	4.47
7584	Patuxent Fish Guano, -----	A. H. Ulsh Sons, Millerstown, -----	4.12
6389	Patuxent Golden Harvest, -----	Charles S. Brunner, New Bloomfield, ---	6.45
6436	Patuxent Grain and Clover Producer, -----	John M. Burkholder, Hummelstown, ---	3.65
7296	Patuxent Grain and Clover Producer, -----	Dillsburg Grain & Milling Co., Dills- burg, -----	5.25
7108	Patuxent Grain and Clover Producer, -----	Geo. L. Schell, Vicksburg, -----	4.25
6484	Patuxent Grain and Clover Producer, -----	W. H. Snyder, Winfield, -----	5.20
5839	Patuxent Guano, -----	M. C. Deitz & Son, Mechanicsburg, ---	10.44
5835	Patuxent 1-8-1 Fertilizer, -----	M. C. Deitz & Son, Mechanicsburg, ---	5.68
PENNSYLVANIA FARMERS COOPERA- TIVE FEDERATION, PHILADEL- PHIA, PA.			
7767	P. F. C. F. 2-8-2, -----	Beaver County Cooperative Associa- tion, Beaver, -----	2.80
7387	P. F. C. F. 2-8-2, -----	Clearfield County Cooperative Associa- tion, Clearfield, -----	5.62
PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.			
6140	Piedmont Farmers Favorite, -----	Firestone & Shellito, Dillsburg, -----	3.60
6019	Piedmont Farmers Favorite, -----	Thos. H. Gallentine, Scottdale, -----	8.16
6592	Piedmont Farmers Favorite, -----	W. H. Heckert Sons, Bakerstown, -----	7.61
6070	Piedmont Harvest Queen, -----	Thos. H. Gallentine, Scottdale, -----	8.31
7207	Piedmont Harvest Queen, -----	J. L. Hertzler, Mechanicsburg, -----	3.60
7725	Piedmont Harvest Queen, -----	Edward F. Peters, Wanwallonen, -----	7.25
6507	Piedmont Plow Brand, -----	Farmers Supply Co., Sunbury, -----	4.71
7717	Piedmont Plow Brand, -----	Edward F. Peters, Wanwallonen, -----	8.80
6142	Piedmont Raw Bone Mixture, -----	Firestone & Shellito, Dillsburg, -----	4.09
7206	Piedmont Raw Bone Mixture, -----	Firestone & Shellito, Dillsburg, -----	5.30
PITTSBURGH PROVISION & PACK- ING CO., PITTSBURGH, PA.			
6650	Corn and Potato Fertilizer, -----	Pittsburgh Provision & Packing Co., Pittsburgh, -----	3.15
RASIN-MONUMENTAL CO., SUBSI- DIARY OF THE VIRGINIA-CAROLINA CHEMICAL CO., BALTIMORE, MD.			
5975	Rasin's Capital Crop Compound, -----	H. B. Low & Son, Orangeville, -----	7.33
5935	Rasin's Empire Guano, -----	J. A. Ebright, Mt. Pleasant Mills, ---	5.18
7220	Rasin's Empire Guano, -----	J. S. Hause, Jerseytown, -----	2.55
6473	Rasin's Empire Guano, -----	Geo. Morningstar, Entrioken, -----	2.80
6726	Rasin's National Crop Compound, -----	W. L. Mitzel, Red Lion, -----	3.29
6540	Rasin's National Crop Compound, -----	Lenhard Ritter, St. Marys, -----	6.93

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.00	0.82	11.17	10.00	10.19	9.00	0.98	1.00	2.00	2.00	2.00	-----	30 00	7563
0.95	0.82	10.51	10.00	9.21	9.00	1.30	1.00	2.20	2.00	2.20	-----	28 00	6278
1.12	0.82	11.14	10.00	9.46	9.00	1.68	1.00	2.95	2.00	2.95	-----	25 50	7772
0.91	0.82	10.01	10.00	9.59	9.00	0.62	1.00	2.20	2.00	2.20	-----	30 00	6291
1.02	0.82	11.77	10.00	10.89	9.00	0.88	1.00	2.01	2.00	2.01	-----	24 80	7744
1.83	1.65	9.58	9.00	8.46	8.00	1.12	1.00	2.08	2.00	2.08	-----	33 55	6292
0.83	0.82	9.62	9.00	8.18	8.00	1.44	1.00	1.17	1.00	1.17	-----	-----	5893
1.24	0.82	9.95	10.00	9.07	9.00	0.88	1.00	3.93	3.00	3.93	-----	23 00	6391
1.09	0.82	10.47	10.00	9.43	9.00	1.04	1.00	3.59	3.00	3.59	-----	25 50	7598
0.94	0.82	10.52	10.00	9.80	9.00	0.72	1.00	3.71	3.00	3.71	-----	-----	7289
0.84	0.42	9.89	9.00	8.81	8.00	1.08	1.00	2.82	2.00	2.82	-----	19 95	6387
0.65	0.41	9.77	9.00	8.85	8.00	0.92	1.00	2.60	2.00	2.60	-----	22 75	7599
1.24	0.82	8.87	9.00	*7.63	8.00	1.24	1.00	7.26	2.00	7.26	-----	21 75	6390
1.00	0.82	10.51	9.00	8.79	8.00	1.72	1.00	2.50	2.00	2.50	-----	-----	5838
0.95	0.82	8.55	9.00	7.85	8.00	0.70	1.00	2.66	2.00	2.66	-----	25 00	7584
1.14	0.82	10.17	10.00	9.05	9.00	1.12	1.00	3.52	2.00	3.52	-----	22 30	6389
0.95	0.82	8.92	9.00	8.18	8.00	0.74	1.00	4.17	4.00	4.17	-----	26 00	6436
0.97	0.82	10.27	9.00	9.17	8.00	1.10	1.00	3.81	4.00	3.81	-----	-----	7296
0.86	0.82	9.63	9.00	8.57	8.00	1.06	1.00	4.78	4.00	4.78	-----	25 00	7108
1.29	0.82	9.50	9.00	7.99	8.00	1.51	1.00	4.72	4.00	4.72	-----	25 75	6484
1.46	1.64	9.41	9.00	8.15	8.00	1.26	1.00	1.95	2.00	1.95	-----	-----	5839
1.19	0.82	9.46	9.00	8.56	8.00	1.20	1.00	1.61	1.00	1.61	-----	-----	5835
1.89	1.65	10.45	9.00	9.27	8.00	1.18	1.00	2.98	2.00	2.98	-----	27 75	7767
1.61	1.65	10.69	9.00	9.25	8.00	1.44	1.00	2.37	2.00	2.37	-----	30 00	7387
1.68	0.82	10.08	9.00	8.96	8.00	1.12	1.00	6.53	4.00	6.53	-----	-----	6140
1.10	0.82	9.80	9.00	8.54	8.00	1.26	1.00	4.90	4.00	4.90	-----	30 00	6019
1.19	0.82	9.46	9.00	8.08	8.00	1.38	1.00	4.43	4.00	4.43	-----	29 00	6592
1.08	0.82	9.45	9.00	8.15	8.00	1.30	1.00	2.79	2.00	2.79	-----	28 00	6020
1.11	0.82	10.43	9.00	9.31	8.00	1.12	1.00	2.64	2.00	2.64	-----	-----	7307
1.00	0.82	9.53	9.00	8.27	8.00	1.26	1.00	2.41	2.00	2.41	-----	22 85	7725
1.94	1.65	10.51	9.00	8.79	8.00	1.72	1.00	2.43	2.00	2.43	-----	30 00	6507
1.65	1.65	10.00	9.00	8.66	8.00	1.34	1.00	2.65	2.00	2.65	-----	26 25	7717
1.69	1.03	11.61	9.00	8.31	8.00	3.30	1.00	3.58	2.00	3.58	-----	-----	6142
1.16	1.03	11.61	9.00	9.59	8.00	2.02	1.00	2.67	2.00	2.67	-----	-----	7206
1.81	1.43	11.70	11.00	*8.06	9.00	3.64	2.00	3.21	3.00	1.00	1.61	40 00	6659
0.96	0.82	10.09	10.00	9.21	9.00	0.88	1.00	3.19	3.00	3.19	-----	23 50	5975
1.76	1.65	8.19	9.00	*7.48	8.00	0.71	1.00	2.40	2.00	2.40	-----	24 60	5955
1.69	1.65	8.51	9.00	8.17	8.00	0.34	1.00	2.16	2.00	2.16	-----	26 50	72 0
1.86	1.65	9.16	9.00	8.20	8.00	0.96	1.00	2.31	2.00	2.31	-----	27 50	6473
1.10	0.82	9.25	9.00	8.41	8.00	0.84	1.00	3.83	4.00	3.86	-----	22 50	6736
0.89	0.82	10.33	9.00	8.27	8.00	2.06	1.00	4.18	4.00	4.18	-----	30 00	6540

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
			%
7137	Rasin's National Crop Compound, -----	Isaac Shirey, McClure, -----	3.35
7095	Rasin's National Crop Compound, -----	H. A. Snyder, Strawberry Ridge, -----	3.82
6076	Rasin's Royal Fish and Potash Mixture, -----	Roy J. Dunham, Wellsboro, -----	5.46
7136	Rasin's Royal Fish and Potash Mixture, -----	Ben. H. Levan, Catawissa, -----	3.25
5979	Rasin's Royal Fish and Potash Mixture, -----	H. B. Low & Son, Orangeville, -----	5.40
6166	Rasin's Royal Fish and Potash Mixture, -----	R. L. Musser, Pennsylvania Furnace, -----	5.41
6575	Rasin's Royal Fish and Potash Mixture, -----	Oxford Grain & Hay Co., Oxford, -----	5.60
6949	Rasin's Royal Fish and Potash Mixture, -----	Stoneboro Feed Co., Stoneboro, -----	5.55
5909	Rasin's Royal Manure, -----	Geo. L. Sebell, Vieksburg, -----	4.71
7138	Rasin's Royal Manure, -----	Isaac Shirey, McClure, -----	2.82
6738	William Penn Crop Grower, -----	W. L. Mitzel, Red Lion, -----	4.20
6105	William Penn Crop Grower, -----	R. L. Musser, Pennsylvania Furnace, -----	6.20
7094	William Penn Crop Grower, -----	H. A. Snyder, Strawberry Ridge, -----	4.10
READING BONE FERTILIZER CO., READING, PA.			
7173	Farmer's Tankage and Potash, -----	Isaac H. Leshner, Bernville, -----	5.25
6114	Farmer's Tankage and Potash, -----	Reading Bone Fertilizer Co., Reading, -----	6.95
ROBERT A. REICHARD, INC., ALLENTOWN, PA.			
6102	Reichard's Peerless Phosphate, -----	Robert A. Reichard, Inc., Allentown, -----	6.30
F. S. ROYSTER GUANO CO., BALTIMORE, MD.			
5956	Royster's Cuckoo Guano, -----	Geo. S. Chalfont, Milton, -----	6.29
6072	Royster's Cuckoo Guano, -----	C. E. Davis, Middlebury, -----	6.35
6171	Royster's Cuckoo Guano, -----	Darius Waite, Bellefonte, -----	5.34
7484	Royster's Dreadnaught Guano, -----	Bruce W. & Alex Keller, Muney Valley, -----	3.12
6405	Royster's Dreadnaught Guano, -----	J. M. Rider, Millville, -----	5.26
7301	Royster's Economy Guano, -----	Firestone & Shellito, Dillsburg, -----	3.00
6802	Royster's Fish Flesh and Fowl, -----	Carl H. H. Bauman, Seranton, -----	2.38
6434	Royster's Fish Flesh and Fowl, -----	H. R. Brinser, Middletown, -----	2.01
6075	Royster's Fish Flesh and Fowl, -----	Roy J. Dunham, Wellsboro, -----	5.99
6274	Royster's Fish Flesh and Fowl, -----	Mars Milling & Feed Co., Mars, -----	5.26
7783	Royster's Fish Flesh and Fowl, -----	Mars Milling & Feed Co., Mars, -----	4.10
6404	Royster's Fish Flesh and Fowl, -----	J. M. Rider, Millville, -----	4.77
7118	Royster's Fish Flesh and Fowl, -----	J. M. Rider, Millville, -----	3.85
6136	Royster's Rational Guano, -----	Firestone & Shellito, Dillsburg, -----	3.35
7201	Royster's Rational Guano, -----	Firestone & Shellito, Dillsburg, -----	7.00
6049	Royster's Rational Guano, -----	Frank C. Lewis, Doylestown, -----	6.74
7326	Royster's Rational Guano, -----	W. L. McLlory, Utica, -----	4.00
6273	Royster's Rational Guano, -----	Mars Milling & Feed Co., Mars, -----	2.84
6403	Royster's Rational Guano, -----	J. M. Rider, Millville, -----	6.24
7724	Royster's Seeding Down Guano, -----	C. M. Harter, Wapwallopen, -----	3.82
7219	Royster's Seeding Down Guano, -----	McConnell Brothers, Hughesville, -----	2.60
7782	Royster's Seeding Down Guano, -----	Mars Milling & Feed Co., Mars, -----	3.07
SCHAAL-SHELDON FERTILIZER CO., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., BUFFALO, N. Y.			
7797	Farmers Favorite, -----	J. R. Houston, Harrisville, -----	1.75
6330	Farmers Favorite, -----	W. F. Tittle, Latrobe, -----	3.51
7266	Farmers Favorite, -----	W. F. Tittle, Latrobe, -----	5.15
6943	Schaal-Sheldon Guano, -----	J. R. Houston, Harrisville, -----	4.15
7796	Schaal-Sheldon Guano, -----	J. R. Houston, Harrisville, -----	2.89
THE SCOTT FERTILIZER COM- PANY, ELKTON, MD.			
6619	Scott's Special Grain Grower, -----	S. Book & Brother, Quarryville, -----	1.95
7810	Scott's Special Grain Grower, -----	S. Book & Brother, Quarryville, -----	2.90
7809	Scott's Sure Growth Super Phosphate, -----	S. Book & Brother, Quarryville, -----	3.63

PLETE FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	of selection.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.00	0.82	9.31	9.00	8.47	8.00	0.84	1.00	4.70	4.00	4.70	-----	25 85	7137
1.00	0.82	9.41	9.00	8.53	8.00	0.88	1.00	4.25	4.00	4.25	-----	24 50	7095
1.70	1.65	9.40	9.00	8.32	8.00	1.08	1.00	3.29	3.00	3.29	-----	30 00	6076
1.80	1.65	9.58	9.00	8.32	8.00	1.26	1.00	3.36	3.00	3.36	-----	27 00	7136
1.84	1.65	9.45	9.00	8.13	8.00	1.32	1.00	3.65	3.00	3.65	-----	27 00	5979
1.70	1.65	9.43	9.00	8.01	8.00	1.42	1.00	3.57	3.00	3.57	-----	28 50	6166
1.80	1.65	10.37	9.00	8.61	8.00	1.76	1.00	3.98	3.00	3.98	-----	25 00	6575
1.85	1.65	10.65	9.00	8.01	8.00	2.64	1.00	3.26	3.00	3.26	-----	29 20	6949
0.65	0.41	8.88	9.00	7.98	8.00	0.90	1.00	1.27	1.00	1.27	-----	22 00	5909
0.70	0.41	11.93	9.00	11.29	8.00	0.64	1.00	1.47	1.00	1.47	-----	21 95	7138
1.14	0.82	8.80	9.00	8.16	8.00	0.64	1.00	1.67	1.00	1.67	-----	-----	6738
1.12	0.82	8.58	9.00	7.92	8.00	0.66	1.00	1.16	1.00	1.16	-----	26 00	6165
1.00	0.82	9.26	9.00	8.52	8.00	0.74	1.00	1.50	1.00	1.50	-----	22 00	7094
1.08	0.82	11.61	11.00	11.17	10.00	0.44	1.00	2.21	2.00	2.21	-----	24 80	7173
1.01	0.82	11.31	11.00	10.29	10.00	1.62	1.00	2.99	2.00	2.99	-----	-----	6114
0.94	0.82	9.10	9.00	*7.47	8.00	1.63	1.00	2.29	2.00	2.29	-----	22 50	6502
1.00	0.82	9.46	8.50	7.84	8.00	1.62	0.50	1.26	1.00	1.26	-----	22 50	5956
1.05	0.82	9.63	8.50	8.09	8.00	1.54	0.50	1.20	1.00	1.20	-----	25 00	6072
1.05	0.82	9.66	8.50	8.22	8.00	1.44	0.50	1.22	1.00	1.22	-----	24 00	6171
1.80	1.65	10.47	8.50	8.41	8.00	2.06	0.50	3.54	2.00	3.54	-----	27 25	7484
1.73	1.65	9.34	8.50	8.20	8.00	1.14	0.50	2.50	2.00	2.50	-----	27 10	6405
1.00	0.82	10.64	8.50	8.96	8.00	1.68	0.50	2.00	2.00	2.00	-----	-----	7301
2.00	1.65	9.08	8.50	8.10	8.00	0.98	0.50	3.41	3.00	3.41	-----	24 50	6802
1.68	1.65	9.57	8.50	8.41	8.00	1.16	0.50	3.48	3.00	3.48	-----	-----	6134
2.06	1.65	8.92	8.50	7.96	8.00	0.96	0.50	3.49	3.00	3.49	-----	-----	6075
2.01	1.65	8.94	8.50	8.04	8.00	0.90	0.50	3.40	3.00	3.40	-----	35 00	6274
1.89	1.65	10.13	8.50	8.83	8.00	1.20	0.50	3.28	3.00	3.28	-----	-----	7783
1.82	1.65	9.03	8.50	7.91	8.00	1.12	0.50	3.38	3.00	3.38	-----	27 80	6104
1.76	1.65	10.08	8.50	8.40	8.00	1.68	0.50	3.88	3.00	3.88	-----	29 80	7118
0.85	0.82	9.02	8.50	8.14	8.00	0.88	0.50	4.16	4.00	4.16	-----	-----	6136
0.98	0.82	9.67	8.50	8.07	8.00	1.60	0.50	4.69	4.00	4.69	-----	-----	7201
0.83	0.82	9.24	8.50	8.30	8.00	0.94	0.50	5.53	4.00	5.53	-----	26 00	6049
1.03	0.82	9.96	8.50	9.10	8.00	0.86	0.50	4.08	4.00	4.08	-----	26 55	7326
0.89	0.82	9.90	8.50	8.80	8.00	1.10	0.50	4.54	4.00	4.54	-----	32 00	6273
0.76	0.82	9.38	8.50	8.30	8.00	1.08	0.50	4.27	4.00	4.27	-----	24 75	6403
1.05	0.82	11.17	9.50	9.25	9.00	1.92	0.50	3.68	3.00	3.68	-----	24 20	7724
1.19	0.82	11.82	9.50	9.74	9.00	2.08	0.50	3.87	3.00	3.87	-----	26 50	7219
1.08	0.82	11.61	9.50	9.59	9.00	2.22	0.50	3.44	3.00	3.44	-----	-----	7782
1.19	0.82	10.01	9.00	9.37	8.00	0.64	1.00	2.41	2.00	1.40	1.01	26 00	7797
1.19	0.82	8.95	9.00	8.01	8.00	0.94	1.00	2.31	2.00	2.31	-----	26 00	6630
1.15	0.82	9.75	9.00	8.39	8.00	1.36	1.00	2.40	2.00	2.40	-----	27 50	7266
1.01	0.82	9.35	9.00	7.99	8.00	1.36	1.00	4.52	4.00	4.52	-----	27 50	6943
1.04	0.82	10.13	9.00	9.45	8.00	0.68	1.00	4.51	4.00	4.51	-----	28 00	7796
0.77	0.41	8.52	-----	*7.74	8.60	0.78	1.00	4.12	4.00	4.12	-----	22 00	6619
0.60	0.41	9.52	-----	8.98	8.00	0.54	1.00	4.16	4.00	4.16	-----	-----	7810
1.68	1.65	9.68	-----	8.76	8.00	0.92	1.00	3.47	3.00	3.47	-----	-----	7809

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
	STANDARD CHEMICAL WORKS, WOMELSDORF, PA.		%
7311	Complete Fertilizer, -----	J. L. Hertzler, Meehaniesburg, -----	4.15
7313	Farmers Choice, -----	J. L. Hertzler, Meehaniesburg, -----	5.60
7312	Old Standard, -----	J. L. Hertzler, Meehaniesburg, -----	5.35
	SWACKS FERTILIZER WORKS, LAUBOIS, PA.		
6948	Swack's General Crop Grower, -----	W. H. Kaufman, Harmony, -----	3.97
6178	Swack's General Crop Grower, -----	Mahoning Valley Milling Co., Punxsutawney, -----	3.82
7432	Swack's General Crop Grower, -----	Mahoning Valley Milling Co., Punxsutawney, -----	2.30
7438	Swack's Grain Grower, -----	Brookville Auto Co., Brookville, -----	1.95
6179	Swack's Grain Grower, -----	Mahoning Valley Milling Co., Punxsutawney, -----	4.66
	SWIFT & COMPANY, BALTIMORE, MD.		
6615	Swift's Red Steer 2-8-2, -----	E. B. Fritz & Sons, Quarryville, -----	2.30
6809	Swift's Red Steer 2-8-2, -----	H. G. Lake, Montrose, -----	3.45
7385	Swift's Red Steer 2-8-2, -----	Routh & Swartzle Co., Clearfield, -----	3.40
6799	Swift's Reliable Grain Fertilizer 1-8-1, -----	B. E. & J. F. Cokely, Scranton, -----	3.04
6717	Swift's Reliable Grain Fertilizer 1-8-1, -----	S. G. Updegraff & Son, Williamsport, -----	2.25
6422	Swift's Special Wheat Grower 1-8-4, -----	Mifflinburg Farmers Exchange, Inc., Mifflinburg, -----	2.98
7106	Swift's Special Wheat Grower 1-8-4, -----	J. W. Herman, Beaver Springs, -----	3.62
7314	Swift's Special Wheat Grower 1-8-4, -----	J. L. Hertzler, Meehaniesburg, -----	2.70
6716	Swift's Special Wheat Grower 1-8-4, -----	S. G. Updegraff & Son, Williamsport, -----	5.00
	I. P. THOMAS & SON CO., PHILA- DELPHIA, PA.		
7460	Ammoniated Fish Base 2-8-2, -----	Bedford County Cooperative Association, Everett, -----	5.12
6204	Ammoniated Fish Base 2-8-2, -----	James E. Herman, Berwick, -----	6.00
5961	Ammoniated Fish Base 2-8-2, -----	Chas. W. Thomas, Danville, -----	7.23
7131	Ammoniated Fish Base 2-8-2, -----	Charles W. Thomas, Danville, -----	4.05
6346	Farmers' Complete 1-8-2, -----	Preston Eves & Son, Millville, -----	6.17
7270	Farmers' Complete 1-8-2, -----	T. H. Gallentine, Scottsdale, -----	4.50
7132	Farmers' Complete 1-8-2, -----	Chas. W. Thomas, Danville, -----	3.75
6890	Farmers' Complete 1-8-2, -----	C. A. Wamsley, Phoenixville, -----	5.92
	UNITED STATES GUANO CO., BALTIMORE, MD.		
7051	Standard United States Grain Grower, -----	David Farley, Montgomery, -----	3.15
6123	Standard United States Grain Grower, -----	A. B. C. Williams, York Springs, -----	2.99
	VIRGINIA-CAROLINA CHEMICAL CO., BALTIMORE, MD.		
6188	V-C Fish Phosphate and Potash Brand, -----	Reynoldsville Hardware Co., Reynolds-ville, -----	5.52
7268	V-C Fish Phosphate and Potash Brand, -----	W. F. Tittle, Latrobe, -----	4.07
6660	V-C Marvel Brand, -----	Kemerer Hardware Co., Lehighton, -----	4.55
6222	V-C Owl Brand, -----	Clyde Duffee, Oil City, -----	5.64
6026	V-C Owl Brand, -----	Fresbee Hardware Co., Connellsville, -----	6.40
	WASHINGTON, ALEXANDER & COOKE CO., AFFILIATED WITH VIRGINIA-CAROLINA CHEMI- CAL CO., CHARLES TOWN, W. VA.		
5888	Wacco Potato and Tobacco Manure, -----	E. S. Kelly, Gettysburg, -----	2.86
7192	Wacco Potato and Tobacco Manure, -----	E. S. Kelly, Gettysburg, -----	2.90
7493	Wacco Potato and Tobacco Manure, -----	Quarryville Farmers Association, Quarryville, -----	3.05

PLETE FERTILIZERS—Continued.

NITRO-GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Sulphate.	Present as Muriate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
1.01	0.82	9.30	9.00	8.78	8.00	0.52	1.60	2.63	1.00	2.63	-----	-----	7311
1.08	0.82	10.33	10.00	9.45	9.00	0.88	1.60	3.66	3.00	3.66	-----	-----	7313
1.81	1.65	9.82	9.00	8.96	8.00	0.86	1.60	2.42	2.00	2.42	-----	-----	7312
1.00	0.82	9.52	9.00	8.90	8.00	0.62	1.00	4.27	4.00	4.27	-----	24 00	6949
0.88	0.82	8.78	9.00	*7.76	8.00	1.02	1.00	4.59	4.00	4.59	-----	25 40	6178
1.11	0.82	10.09	9.00	8.19	8.00	1.00	1.00	4.33	4.00	4.33	-----	27 20	7432
1.00	0.82	11.03	11.00	*9.31	10.00	1.72	1.00	2.41	2.00	2.41	-----	25 00	7438
1.02	0.82	11.35	11.00	9.91	10.00	1.44	1.00	2.63	2.00	2.63	-----	25 40	6179
1.76	1.65	8.42	8.00	8.00	8.00	0.42	-----	2.08	2.00	2.08	-----	26 50	6615
1.62	1.65	7.92	8.00	7.82	8.00	0.10	-----	2.36	2.00	2.36	-----	22 00	6809
1.69	1.65	8.79	8.00	8.55	8.00	0.24	-----	2.81	2.00	2.81	-----	32 00	7385
1.00	0.82	8.21	8.00	8.01	8.00	0.00	-----	1.22	1.00	1.22	-----	19 00	6709
0.90	0.82	8.29	8.00	8.15	8.00	0.14	-----	1.43	1.00	1.43	-----	26 00	6717
0.88	0.82	7.88	8.00	*7.80	8.00	0.08	-----	4.27	4.00	4.27	-----	22 71	6122
0.95	0.82	8.25	8.00	7.95	8.00	0.30	-----	4.54	4.00	4.54	-----	-----	7106
0.99	0.82	7.81	8.00	*7.49	8.00	0.32	-----	4.99	4.00	4.99	-----	-----	7314
0.98	0.82	8.25	8.00	8.11	8.00	0.14	-----	4.46	4.00	4.46	-----	28 00	6716
1.69	1.65	11.34	8.50	9.16	8.00	2.18	0.50	2.42	2.00	2.42	-----	27 00	7460
1.68	1.65	11.10	8.50	9.10	8.00	2.00	0.50	2.41	2.00	2.41	-----	26 90	6204
1.90	1.65	11.43	8.50	9.31	8.00	2.12	0.50	2.62	2.00	2.62	-----	27 10	5971
1.76	1.65	11.82	8.50	9.28	8.00	2.54	0.50	2.77	2.00	2.77	-----	27 20	7131
1.00	0.82	9.46	8.50	8.18	8.00	1.08	0.50	2.45	2.00	2.45	-----	21 00	6316
1.01	0.82	10.24	8.50	8.98	8.00	1.26	0.50	2.92	2.00	2.70	0.22	28 00	7270
1.00	0.82	10.24	8.50	9.00	8.00	1.24	0.50	2.97	2.00	2.97	-----	23 85	7132
0.90	0.82	9.98	8.50	8.54	8.00	1.44	0.50	2.52	2.00	2.52	-----	25 00	6890
2.20	-----	10.18	-----	8.02	8.00	2.10	0.50	3.80	2.00	3.80	-----	25 00	7051
2.14	-----	11.44	9.00	9.87	8.00	1.57	1.00	2.39	2.00	2.39	-----	22 70	6123
1.80	1.65	9.48	9.00	8.00	8.00	1.48	1.00	2.31	2.00	2.31	-----	26 50	6188
1.71	1.65	8.20	9.00	7.90	8.00	0.30	1.00	2.23	2.00	2.23	-----	31 00	7263
0.95	0.82	9.21	9.00	7.89	8.00	1.32	1.00	4.33	4.00	4.33	-----	29 00	6600
1.73	1.65	9.11	9.00	8.69	8.00	0.42	1.00	3.16	3.00	3.16	-----	30 50	6222
2.13	1.65	9.26	9.00	8.72	8.00	0.54	1.00	3.49	3.00	3.49	-----	32 20	6026
0.78	0.41	7.25	8.00	6.84	7.00	0.41	1.00	2.75	2.00	2.75	-----	0 25	5883
0.58	0.41	8.28	8.00	7.86	7.00	0.42	1.00	2.30	2.00	2.30	-----	1 50	7192
0.73	0.41	7.54	8.00	7.08	7.00	0.46	1.00	2.68	2.00	2.68	-----	-----	7493

*Deficient.

TABLE IV—COM

Chemist's number.	Name of Manufacturer and Brand.	Samples Taken From—	Moisture.
5886	Wacco Wheat, Corn and Oats Mixture,	E. S. Kelly, Gettysburg, -----	% 2.65
7188	Wacco Wheat, Corn and Oats Mixture,	E. S. Kelly, Gettysburg, -----	3.40
7494	Wacco Wheat, Corn and Oats Mixture,	Quarryville Farmers Association, Quarryville, -----	1.80
	YORK CHEMICAL WORKS, YORK, Pa.		
6756	Plow Brand, -----	Red Lion Exchange, Red Lion, -----	4.15
7365	Plow Brand, -----	Red Lion Exchange, Red Lion, -----	5.67
6084	Standard Potash, -----	C. J. Every, Mansfield, -----	7.80
7650	Standard Potash, -----	Union City Cooperative Association, Union City, -----	6.32
		Average, -----	4.76
		Total Average, -----	4.99

PLETE FERTILIZERS—Concluded.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
0.91	0.52	8.33	9.00	*7.71	8.00	0.62	1.00	3.43	3.00	3.43	-----	22 00	5886
1.21	0.82	9.17	9.00	8.67	8.00	0.50	1.00	3.20	3.00	3.20	-----	23 50	7188
0.81	0.82	9.38	9.00	8.54	8.00	0.84	1.00	2.94	3.00	2.94	-----		7494
1.76	1.64	9.62	8.00	8.58	8.00	1.04	-----	2.17	2.00	2.17	-----		6756
1.74	1.64	9.16	8.00	8.52	8.00	0.64	-----	2.52	2.00	2.52	-----		7365
0.79	0.82	8.30	8.00	8.06	8.00	0.24	-----	4.21	4.00	4.21	-----	27 50	6084
0.75	0.82	9.18	8.00	8.86	8.00	0.32	-----	4.46	4.00	4.46	-----	24 00	7650
1.22	-----	9.50	-----	8.52	-----	0.98	-----	3.16	-----	-----	-----	\$26 51	-----
1.73	-----	9.90	-----	8.90	-----	1.00	-----	4.89	-----	-----	-----	\$30 46	-----

*Deficient.

TABLE V.—NITROGEN AND PHOS
Including Dissolved Bones

Chemist's number.	Name of Manufacturer and Brand		Sample Taken From—	
	HIGH GRADE FORMULAS.			
	UNITED STATES GUANO COMPANY. BALTIMORE, MD.			
7000	Standard United States Best By Test, -----		J. G. Hall, New Providence, -----	
	LOW GRADE FORMULAS.			
	THE AMERICAN AGRICULTURAL CHEMI- CAL CO., NEW YORK, N. Y.			
6133	Ammoniated Fertilizer AA, -----		J. J. Klugh, Dillsburg, -----	
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.			
7331	Grain and Grass Special, -----		Farmers Fertilizer Works, Elizabethtown, -----	
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.			
6471	Piedmont Special Crop Grower, -----		J. G. Simpson, Huntingdon, -----	
7420	Piedmont Special Crop Grower, -----		J. G. Simpson, Huntingdon, -----	
	PITTSBURGH PROVISION & PACKING CO., PITTSBURGH, PA.			
7735	Guano Fertilizer, -----		Sam Frasik, Charleroi, -----	
	STANDARD CHEMICAL WORKS, WOMELSDORF, PA.			
6539	Farmers Favorite, -----		Lenhard Ritter, St. Marys, -----	
			Average, -----	
			Total Average, -----	

PHOSPHORIC ACID FERTILIZERS.
and other like Products.

Moisture.	NITROGEN.		PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Found.	Guaranteed.	Total.		Available.		Insoluble.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	%	%	\$	
11.39	1.73	1.64	13.80	12.50	12.78	12.00	1.02	0.50	25 00	7000
1.54	1.93	1.65	11.67	11.00	*9.43	10.00	2.24	1.00	-----	6133
4.62	1.13	0.82	11.94	11.00	11.66	10.00	0.28	1.00	-----	7831
2.25	0.87	0.82	11.57	11.00	10.49	10.00	1.08	1.00	24 00	6471
2.85	1.00	0.82	11.72	11.00	10.72	10.00	1.00	1.00	25 00	7420
2.62	2.64	1.43	11.58	11.00	*8.74	9.00	2.84	2.00	26 00	7735
4.94	0.89	0.82	10.88	11.00	*9.69	10.00	1.19	1.00	28 00	6539
3.13	1.41	-----	11.56	-----	10.12	-----	1.44	-----	\$25 75	-----
4.31	1.46	-----	11.88	-----	10.50	-----	1.38	-----	\$25 60	-----

*Deficient.

TABLE VI.—GROUND

Furnishing Nitrogen

Chemist's number.	Name of Manufacturer and Brand.		Sample Taken From—	
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
5854	Fine Ground Bone,	-----	W. B. Barnitz, Carlisle, -----	
7272	Fine Ground Bone,	-----	Gant Hardware Co., Jeannette, -----	
7482	Fine Ground Bone,	-----	Frank Jacoby, Millville, -----	
6236	Fine Ground Bone,	-----	Geo. W. Kale, Oil City, -----	
6657	Fine Ground Bone,	-----	Option Feed Company, Pittsburgh, -----	
7652	Fine Ground Bone,	-----	Theilmann Seed Co., Erie, -----	
5896	Fine Ground Bone,	-----	E. C. Thomas, Gettysburg, -----	
6298	Fine Ground Bone,	-----	Thompson & Fordyce, Waynesburg, -----	
7590	Pure Bone Meal,	-----	B. F. Horting, Newport, -----	
6577	Pure Bone Meal,	-----	H. P. Passmore & Brother, Oxford, -----	
	ARMOUR FERTILIZER WORKS, BALTIMORE, MD.			
6924	Armour's Big Crop Fertilizer Bone Meal,	-----	Kane Milling & Grocery Co., Kane, -----	
6228	Armour's Big Crop Fertilizer Bone Meal,	-----	Andrew Karg, Oil City, -----	
7647	Armour's Big Crop Fertilizer Bone Meal,	-----	E. L. Smith & Co., Union City, -----	
6567	Armour's Big Crop Raw Bone Meal, -----		M. L. Bachman, Lebanon, -----	
5879	Armour's Big Crop Raw Bone Meal, -----		Frank Douglass, Indiana, -----	
6915	Armour's Big Crop Raw Bone Meal, -----		Fetzer Brothers Hardware, Brookville, -----	
6573	Armour's Big Crop Raw Bone Meal, -----		Oxford Grain & Hay Co., Oxford, -----	
	ASSOCIATED CHEMICAL CO., HAGERSTOWN, MD.			
6840	Fine Bone Meal,	-----	Oyler & Spangler Fertilizer Works, Gettys- burg, -----	
	BAUGH & SONS COMPANY, PHILA- DELPHIA, PA.			
6086	Baugh's 3 & 50 Bone Meal,	-----	Clinton County Cooperative Association, Lock Haven, -----	
6537	Baugh's 3 & 50 Bone Meal,	-----	Lenhard Ritter, St. Marys, -----	
6210	Baugh's Pure Steamed Bone,	-----	Gallagher & Stevick, Wilkes-Barre, -----	
7447	Baugh's Raw Bone Meal-Warranted Pure,	-----	Francis Baker, Everett, -----	
7016	Baugh's Raw Bone Meal-Warranted Pure,	-----	Oliver F. Kleckner, New Ringgold, -----	
6536	Baugh's Raw Bone Meal-Warranted Pure,	-----	Lenhard Ritter, St. Marys, -----	
6777	Baugh's Raw Bone Meal-Warranted Pure,	-----	Routch & Swartzel, Clearfield, -----	
7659	Baugh's Raw Bone Meal-Warranted Pure,	-----	Schrinner Brothers, Belle Valley, -----	
	W. S. CAPLES & SON, JOHNSTOWN, PA.			
6634	Cambria Pure Fine Ground Bone Meal, -----		W. S. Caples & Son, Johnstown, -----	
7699	Cambria Pure Fine Ground Bone Meal, -----		W. S. Caples & Son, Johnstown, -----	
6469	Cambria Pure Fine Ground Bone Meal, -----		J. G. Simpson, Huntingdon, -----	
	JACOB DOLD PACKING CO., BUFFALO, N. Y.			
5813	Dold Quality Bone Meal,	-----	Fred E. Lord, Espy, -----	
7032	Dold Quality Bone Meal,	-----	Fred E. Lord, Espy, -----	
	GRIFFITH & BOYD CO., BALTIMORE, MD.			
6173	Griffith & Boyd Co.'s Pure Fine Ground Bone Meal,	-----	Mahoning Hardware & Implement Co., Punxsutawney, -----	
	THE JARECKI CHEMICAL COMPANY, (ARMOUR OWNED), SANDUSKY, OHIO.			
7331	Jarecki's Bone Meal,	-----	J. L. Alcorn, Titusville, -----	
6534	Jarecki's Bone Meal,	-----	Rigdway Grist Mills, Rigdway, -----	
7660	Jarecki's Bone Meal,	-----	Schrinner Brothers, Belle Valley, -----	

BONE FERTILIZERS.
and Phosphoric Acid.

Moisture.	CHEMICAL ANALYSIS.				MECHANICAL ANALYSIS.		Selling price per ton at place of selection.	Chemist's number.
	NITROGEN.		PHOSPHORIC ACID.		Fine.	Coarse.		
	Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	%	%	%	\$	
3.29	2.86	2.47	26.85	22.88	64	36	40 00	5854
3.70	3.18	2.47	26.19	22.88	74	26	60 00	7272
11.30	2.65	2.47	26.79	22.88	60	40	41 50	7482
4.21	2.63	2.47	24.95	22.86	76	24	45 00	6236
7.37	3.65	2.47	23.02	22.88	54	46	41 25	6657
2.60	2.55	2.47	23.73	22.88	65	35	50 00	7652
11.76	2.56	2.47	24.78	22.88	70	30	-----	5896
3.94	3.16	2.47	23.24	22.88	76	24	45 00	6298
7.11	4.12	3.70	21.66	21.51	62	38	43 00	7590
6.22	4.15	3.70	22.60	21.51	48	52	45 00	6577
3.96	3.00	2.47	24.77	22.00	62	38	55 00	6924
6.10	3.53	2.47	22.92	22.00	65	35	50 00	6228
2.85	2.99	2.47	26.93	27.00	65	35	48 00	7647
5.30	4.11	-----	21.56	21.50	62	38	-----	7506
1.28	3.59	3.70	22.49	21.50	66	34	44 00	5879
5.73	3.70	3.70	23.28	21.50	67	33	70 00	6915
4.45	4.19	3.70	22.30	21.50	59	41	42 00	6573
5.11	2.90	2.46	25.49	23.00	70	30	40 00	6840
11.26	3.05	2.47	23.47	23.00	65	35	36 15	6086
9.60	3.03	2.47	24.15	23.00	71	29	45 00	6537
11.42	2.00	1.65	27.30	25.00	77	23	50 00	6210
6.10	4.37	3.70	21.60	21.50	66	34	50 00	7447
7.40	4.00	3.70	21.81	21.50	63	37	42 00	7016
9.11	4.10	3.70	*21.06	21.50	68	32	50 00	6536
6.54	4.05	3.70	*21.05	21.50	59	41	48 00	6777
6.12	3.82	3.70	21.97	21.50	64	36	48 00	7659
4.00	*2.70	3.00	23.06	22.00	67	33	40 00	6634
3.10	*2.52	3.00	26.83	22.00	69	31	40 00	7699
3.30	*2.53	3.00	24.25	22.00	77	23	48 00	6469
3.38	2.53	2.47	25.84	23.06	70	30	38 00	5813
3.60	3.06	2.47	*22.68	23.00	64	36	40 00	7032
13.44	3.46	3.29	*18.79	20.00	58	42	70 00	6173
3.30	2.95	2.47	*26.30	27.00	67	33	45 00	7331
9.27	2.70	2.47	24.05	22.00	68	32	45 00	6534
2.62	2.53	2.47	28.27	27.00	61	39	44.00	7660

*Deficient.

TABLE VI.—GROUND

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—
	LEBANON FERTILIZER WORKS, LEBANON, PA.	
6499	Levan's Fine Ground Bone Meal 3-22, 89-0,--	C. F. Gelbach, Duncannon, -----
	MILLER FERTILIZER CO., BALTIMORE, MD.	
6776	Pure Ground Raw Bone, -----	Routh & Swartzel, Clearfield, -----
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.	
6502	Piedmont Raw Bone Meal, -----	Farmers Supply Co., Sunbury, -----
	PITTSBURGH PROVISION & PACKING CO., PITTSBURGH, PA.	
6263	Bone Meal Fertilizer, -----	R. G. Dodds, Beaver Falls, -----
6604	No. 1 Pure Raw Bone Meal, -----	Pittsburgh Provision & Packing Co., Pittsburgh, -----
	READING BONE FERTILIZER CO., READING, PA.	
6120	Pure Raw Bone, -----	Reading Bone Fertilizer Co., Reading, ----
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.	
5959	Royster's Fine Ground Bone Meal, -----	Geo. S. Chalfont, Milton, -----
6259	Royster's Fine Ground Bone Meal, -----	G. W. Walton Hardware Co., Beaver, ----
6797	Royster's Fine Ground Bone Meal, -----	Weeks Hardware Co., Scranton, -----
6801	Royster's Pure Raw Bone Meal, -----	C. H. H. Bauman, Scranton, -----
	SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.	
6548	Steamed Bone, -----	L. A. Carlson, Warren, -----
7711	Steamed Bone, -----	L. A. Carlson, Warren, -----
7712	Summer's Ground Raw Bone 4½-45, -----	L. A. Carlson, Warren, -----
	SWIFT & COMPANY, BALTIMORE, MD.	
6710	Swift's Bone Meal Fertilizer, -----	S. G. Updegraff & Son, Williamsport, --
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.	
6495	4½-45 Raw Bone Meal, -----	Ellis Artley, Catawissa, -----
	VIRGINA-CAROLINA CHEMICAL CO. (OF DELAWARE), NEW YORK, N. Y.	
6664	Fine Ground Bone, -----	Kemerer Hardware Co., Lehigh, -----
7564	Fine Ground Bone, -----	J. D. Nixon, Parnassus, -----
6486	Fine Ground Bone, -----	James E. Smith, Berwick, -----
		Average, -----

BONE FERTILIZERS—Concluded.

Moisture.	CHEMICAL ANALYSIS.				MECHANICAL ANALYSIS.		Selling price per ton at place of selection.	Chemist's number.
	NITROGEN.		PHOSPHORIC ACID.		Fine.	Coarse.		
	Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	%	%	%	\$	
4.97	3.17	2.47	24.56	22.89	71	29	50.00	6499
7.61	4.05	3.70	21.69	21.50	60	40	48 00	6776
7.63	4.52	3.70	22.86	22.90	57	43	50 00	6502
3.63	4.34	3.70	*20.26	21.00	72	28	60 00	6263
7.30	4.21	3.70	23.31	22.00	62	38	45 00	6604
5.46	4.03	3.29	21.05	18.00	61	39	-----	6120
4.00	3.62	2.47	25.28	22.90	71	29	44.00	5959
2.33	*2.05	2.47	26.39	22.90	72	28	50 00	6259
3.32	2.95	2.47	24.31	22.90	73	27	49 50	6797
6.95	4.00	3.70	22.28	21.50	53	47	75 00	6801
• 4.18	3.08	2.46	25.40	22.80	70	30	54 00	6548
3.12	2.71	2.46	27.43	22.80	50	50	80 00	7711
5.00	5.51	3.70	*19.70	20.50	71	29	90 00	7712
3.17	3.96	2.47	*23.04	24.00	67	33	50 00	6710
3.83	4.40	-----	*†21.26	-----	52	48	40 10	6495
2.70	2.87	2.47	25.47	22.50	62	38	48 00	6664
2.36	3.15	2.47	24.89	22.50	63	37	48 00	7564
2.90	2.82	2.47	24.81	22.50	59	41	42 50	6486
5.47	3.37	-----	23.77	-----	65	35	\$49 26	-----

*Deficient.

†Compared with registered guarantee.

TABLE VII.—ACIDULATED
Furnishing Phos

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
HIGH GRADE FORMULAS.		
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
6067	16% Acid Phosphate, -----	F. A. Ackley & Son, Westfield, -----
7443	16% Acid Phosphate, -----	Anderson Hardware, New Bethlehem, -----
5853	16% Acid Phosphate, -----	W. B. Barnitz, Carlisle, -----
6048	16% Acid Phosphate, -----	Aira Burgstresser, Ottsville, -----
6254	16% Acid Phosphate, -----	Graham Brothers, Darlington, -----
7778	16% Acid Phosphate, -----	Ralph Houston, Pulaski, -----
7084	16% Acid Phosphate, -----	Ewing P. Kinsloe, Newton Hamilton, -----
7561	16% Acid Phosphate, -----	Leechburg Hardware Co., Leechburg, -----
7276	16% Acid Phosphate, -----	J. A. McKelvey, Blairville, -----
6603	16% Acid Phosphate, -----	Option Feed Co., Pittsburgh, -----
6170	16% Acid Phosphate, -----	E. C. Ross, Lemont, -----
7254	16% Acid Phosphate, -----	F. J. Strittmatter Co., Bradley Junction, -----
5865	16% Acid Phosphate, -----	The Farmers Exchange, Indiana, -----
7103	16% Acid Phosphate, -----	W. B. Winey & Son, Middleburg, -----
7573	Bowker's 16% Acid Phosphate, -----	Pollock Flour & Feed, Fort City, -----
7241	Lister's High Grade Acid Phosphate, -----	A. E. Barran, Somerset, -----
6071	Lister's High Grade Acid Phosphate, -----	M. P. Close, Tioga, -----
6847	Lister's High Grade Acid Phosphate, -----	Ebensburg Milling Co., Ebensburg, -----
6357	Lister's High Grade Acid Phosphate, -----	Herman & Wetzel, Selinsgrove, -----
7152	Lister's High Grade Acid Phosphate, -----	Herman & Wetzel, Selinsgrove, -----
6042	Lister's High Grade Acid Phosphate, -----	F. E. Reamer, Greensburg, -----
6950	Lister's High Grade Acid Phosphate, -----	N. Olson, Stoneboro, -----
7736	Lister's High Grade Acid Phosphate, -----	Jas. P. Warne & Co., Monongahela, -----
5989	Lister's High Grade Acid Phosphate, -----	R. R. Yoder, Belleville, -----
7558	Patapasco High Grade Acid Phosphate, -----	Wm. B. Barnitz, Carlisle, -----
7592	Patapasco High Grade Acid Phosphate, -----	B. F. Horting, Newport, -----
5906	Patapasco High Grade Acid Phosphate, -----	Geo. L. Schell, Vicksburg, -----
5895	Patapasco High Grade Acid Phosphate, -----	E. C. Thomas, Gettysburg, -----
7197	Patapasco High Grade Acid Phosphate, -----	E. C. Thomas, Gettysburg, -----
6160	Patapasco High Grade Acid Phosphate, -----	E. P. Waite, Tyrone, -----
6639	Patapasco High Grade Acid Phosphate, -----	E. P. Waite, Tyrone, -----
7255	Patapasco High Grade Acid Phosphate, -----	E. P. Waite, Tyrone, -----
6526	Pollock's High Grade Super Phosphate, -----	J. O. Reed, Phillipshurg, -----
6360	Pollock's High Grade Super Phosphate, -----	F. E. Reamer, Greensburg, -----
6644	Pollock's High Grade Super Phosphate, -----	J. H. Rodkey, Frankstown, -----
6578	Susquehanna High Grade Superphosphate, -----	Jas. P. Warne & Co., Monongahela, -----
6477	Tygart's 16% Acid Phosphate, -----	Bedford County Cooperative Assoc., -----
7466	Tygart's 16% Acid Phosphate, -----	Bedford County Cooperative Assoc., -----
7679	Woolridge's High Grade Acid Phosphate, -----	Everett, -----
6392	Woolridge's High Grade Acid Phosphate, -----	C. E. Brumhaugh, New Enterprise, -----
7455	Woolridge's High Grade Acid Phosphate, -----	W. G. Gutshall, Blain, -----
7213	Woolridge's High Grade Acid Phosphate, -----	Geo. Raum, Gapsville, -----
		H. V. Smith, Turbotville, -----
AMERICAN FERTILIZER COMPANY, BALTIMORE, MD.		
6976	American High Grade Acid Phosphate, -----	Lancaster County Farmers Supply Co., -----
ARMOUR FERTILIZER WORKS, BALTI- MORE, MD.		
7578	Armour's Big Crop Fertilizers Acid Phos- phate 16%, -----	W. T. Balsiger, Apollo, -----
5911	Armour's Big Crop Fertilizers Acid Phos- phate 16%, -----	D. Luther Bogennief, Mifflinburg, -----
6190	Armour's Big Crop Fertilizers Acid Phos- phate 16%, -----	Brookville Auto Works, Brookville, -----
7474	Armour's Big Crop Fertilizers Acid Phos- phate 16%, -----	Chaaapels Seed Store, Williamsport, -----

PHOSPHATE FERTILIZERS.

phoric Acid.

Moisture.	PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
7.69	17.69	17.00	15.97	16.00	1.12	1.00	21 00	6067
2.80	18.27	17.00	17.29	16.00	0.93	1.00	20 00	7443
2.46	17.53	17.00	16.59	16.00	0.94	1.00	14 50	5853
7.26	17.30	17.00	16.18	16.00	1.12	1.00	19 00	6048
5.93	17.27	17.00	16.41	16.00	0.86	1.00	19 50	6254
1.60	18.45	17.00	17.35	16.00	1.10	1.00	28 00	7778
3.75	18.30	17.00	17.54	16.00	0.76	1.00	17 83	7084
4.15	18.00	17.00	16.78	16.00	1.22	1.00	20 00	7561
1.15	18.32	17.00	17.08	16.00	1.24	1.00	18 00	7276
4.35	17.03	17.00	15.89	16.00	1.14	1.00	18 20	6603
6.75	17.21	17.00	16.31	16.00	0.90	1.00	15 50	6170
3.80	18.01	17.00	17.05	16.00	0.96	1.00	17 50	7254
6.59	16.84	17.00	16.10	16.00	0.74	1.00	19 95	5805
5.00	18.37	16.50	16.93	16.00	1.44	0.50	17 50	7103
1.52	18.71	17.00	17.01	16.00	1.70	1.00	18 90	7573
4.65	18.65	17.00	17.81	16.00	0.84	1.00	17.25	7241
6.66	17.34	17.00	16.50	16.00	0.84	1.00	17 50	6071
1.89	17.54	17.00	16.66	16.00	0.88	1.00	16.00	6847
5.13	16.77	17.00	15.97	16.00	0.80	1.00	16 50	6357
1.45	19.04	17.00	17.92	16.00	1.12	1.00	17 00	7152
6.88	17.08	17.00	16.20	16.00	0.88	1.00	17 95	6042
3.70	16.95	17.00	16.21	16.00	0.74	1.00	18 00	6950
2.00	17.97	17.00	17.05	16.00	0.92	1.00	18 20	7736
6.20	16.97	17.00	16.07	16.00	0.90	1.00	17 00	5989
1.12	19.08	17.00	18.02	16.00	1.06	1.00		7558
1.27	18.64	17.00	17.68	16.00	0.96	1.00	16 25	7592
6.43	17.54	17.00	16.76	16.00	0.78	1.00	15.50	5906
4.50	17.49	17.00	16.53	16.00	0.95	1.00		5895
3.40	18.62	17.00	17.60	16.00	1.02	1.00	16 00	7197
5.40	16.86	17.00	15.90	16.00	0.96	1.00	14 50	6160
1.35	17.90	17.00	17.08	16.00	0.82	1.00	16 50	6639
5.75	18.09	17.00	16.97	16.00	1.12	1.00	18 00	7255
1.53	17.55	17.00	16.45	16.00	1.10	1.00	22 00	6526
5.15	16.97	17.00	16.21	16.00	0.76	1.00	15 00	6360
2.95	18.13	17.00	17.11	16.00	1.02	1.00	20 00	6644
3.65	17.28	17.00	16.44	16.00	0.84	1.00	15 00	6578
1.44	17.67	17.00	16.59	16.00	1.08	1.00	19 00	6477
2.10	18.90	17.00	17.60	16.00	1.30	1.00	19 50	7406
5.32	18.60	17.00	17.56	16.00	1.04	1.00	17 50	7679
3.33	17.67	17.00	16.41	16.00	1.26	1.00	16 00	6392
2.80	18.88	17.00	17.96	16.00	0.92	1.00		7455
6.02	18.08	17.00	17.02	16.00	1.06	1.00	16 50	7213
6.06	16.33	17.00	16.27	16.00	0.06	1.00		6976
1.10	17.79	16.50	17.33	16.00	0.46	0.50		7578
6.66	16.70	16.50	16.00	16.00	0.70	0.50	15 50	5911
3.95	17.73	16.50	16.53	16.00	1.20	0.50	18 00	6190
2.82	16.37	16.50	16.01	16.00	0.36	0.50	22 00	7474

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
6891	Armour's Big Crop Fertilizers Acid Phosphate 16%,	Great Valley Mills, Paoli, -----
7734	Armour's Big Crop Fertilizers Acid Phosphate 16%,	J. B. Hayward & Son, Monongahela, -----
7088	Armour's Big Crop Fertilizers Acid Phosphate 16%,	O. S. Headings, Milroy, -----
6234	Armour's Big Crop Fertilizers Acid Phosphate 16%,	Andrew Karg, Oil City, -----
6065	Armour's Big Crop Fertilizers Acid Phosphate 16%,	H. Z. Pride & Son, Westfield, -----
6824	Armour's Big Crop Fertilizers Acid Phosphate 16%,	O. M. Spettigue, Honedale, -----
6306	Armour's Big Crop Fertilizers Acid Phosphate 16%,	Geo. B. Sprowl, Claysville, -----
7260	Armour's Big Crop Fertilizers Acid Phosphate 16%,	A. J. Steele, Latrobe, -----
7738	Armour's Big Crop Fertilizers Acid Phosphate 16%,	Vanee Hardware Co., Bellevernon, -----
7838	Armour's Big Crop Fertilizers Acid Phosphate 16%,	Walker & Son, Gap, -----
5875	Armour's Big Crop Fertilizers Acid Phosphate 16%,	E. J. Weleh, Plumville, -----
7064	Armour's Big Crop Fertilizers Acid Phosphate 16%,	E. J. Welch, Plumville, -----
6451	Armour's Big Crop Fertilizers Acid Phosphate 20%,	R. K. Mattern, Julian, -----
6304	Armour's Big Crop Fertilizers Acid Phosphate 20%,	Geo. B. Sprowl, Claysville, -----
	BALTIMORE FERTILIZER CO., BALTIMORE, MD.	
7529	Honest 16% Acid Phosphate, -----	Chambersburg Fertilizer Works, Chambersburg, -----
	BAUGH & SONS COMPANY, PHILADELPHIA, PA.	
6087	Baugh's 16% Acid Phosphate, -----	Clinton County Cooperative Association, Lock Haven, -----
6904	Baugh's 16% Acid Phosphate, -----	Cooperative Grange Milling Co., Titusville, -----
6213	Baugh's 16% Acid Phosphate, -----	Gallagher & Steviek, Wilkes-Barre, -----
6941	Baugh's 16% Acid Phosphate, -----	Grenville Coal & Ice Co., Greenville, -----
6919	Baugh's 16% Acid Phosphate, -----	McEwen Hardware, New Bethlehem, -----
7442	Baugh's 16% Acid Phosphate, -----	H. C. McEwen Hardware, New Bethlehem, -----
7280	Baugh's 16% Acid Phosphate, -----	Dean Mummau, Marion Center, -----
7675	Baugh's 16% Acid Phosphate, -----	Orr & Grazier, Tyrone, -----
6143	Baugh's 16% Acid Phosphate, -----	C. F. Stover, Millheim, -----
5861	Baugh's 16% Acid Phosphate, -----	The Farmers Exchange, Indiana, -----
7527	Baugh's 16% Acid Phosphate, -----	W. B. Thompson Son, Waynesboro, -----
7104	Baugh's 16% Acid Phosphate, -----	J. O. Wagner, Beaver Springs, -----
5828	Baugh's 16% Acid Phosphate, -----	Edward P. Wargo, Danville, -----
	BOWKER FERTILIZER COMPANY, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.	
6541	Bowker's 16% Acid Phosphate, -----	M. Beshlin, Warren, -----
6832	Bowker's 16% Acid Phosphate, -----	Judson Cook, Lake Ariel, -----
7425	Bowker's 16% Acid Phosphate, -----	B. F. Fink, Huntingdon, -----
6693	Bowker's 16% Acid Phosphate, -----	John S. Hause, Jerseytown, -----
7742	Bowker's 16% Acid Phosphate, -----	C. S. Hunter, Washington, -----
7489	Bowker's 16% Acid Phosphate, -----	W. J. Lutz, Berwick, -----
6269	Bowker's 16% Acid Phosphate, -----	J. H. McWhirter, Mereer, -----
7773	Bowker's 16% Acid Phosphate, -----	Petersburg Milling Co., Bessemer, -----
7077	Bowker's 16% Acid Phosphate, -----	B. F. Uber, Home, -----

PHOSPHATE FERTILIZERS—Continued.

PHOSPHORIC ACID.								
Moisture.	Total.		Available.		Insoluble.		Selling price per ton at place of selection.	Chemist's number.
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
1.43	17.16	16.50	16.66	16.00	0.50	0.50	17 50	6891
1.62	17.72	16.50	17.12	16.00	0.60	0.50	18 20	7734
1.45	17.04	16.50	16.50	16.00	0.54	0.50	17 00	7085
3.67	17.18	16.50	16.52	16.00	0.66	0.50	16 00	6234
3.80	16.46	16.50	16.02	16.00	0.44	0.50	20 00	6065
2.32	17.21	16.50	17.07	16.00	0.14	0.50	17 00	6824
3.90	17.40	16.50	17.20	16.00	0.20	0.50	20 00	6306
1.27	17.32	16.50	16.83	16.00	0.44	0.50	19 00	7200
4.15	17.92	16.50	16.74	16.00	1.18	0.50	18 20	7738
1.47	17.36	16.50	17.02	16.00	0.34	0.50	-----	7838
2.82	16.97	16.50	16.01	16.00	0.96	0.50	16 50	5875
1.35	17.54	16.50	17.06	16.00	0.48	0.50	17 50	7064
2.45	21.49	20.50	20.77	20.00	0.72	0.50	21 00	6451
1.66	21.60	20.50	20.76	20.00	0.84	0.50	25 00	6304
1.35	18.69	-----	18.19	16.00	0.50	1.00	-----	7529
6.81	17.39	16.00	16.55	16.00	0.74	-----	15 15	6087
1.46	17.87	16.00	17.37	16.00	0.50	-----	14 00	6904
5.71	17.85	16.00	16.75	16.00	1.10	-----	21 00	6213
3.24	17.95	16.00	17.65	16.00	0.30	-----	19 00	6941
1.10	18.69	16.00	17.86	16.00	0.83	-----	20 00	6919
1.50	18.83	16.00	18.17	16.00	0.66	-----	19 00	7442
1.30	18.61	16.00	17.95	16.00	0.66	-----	15 50	7280
3.85	17.93	16.00	17.81	16.00	0.12	-----	19 00	7675
8.20	17.46	16.00	16.16	16.00	1.30	-----	12 50	6143
5.73	17.64	16.00	16.78	16.00	0.86	-----	19 00	5861
1.30	18.38	16.00	18.22	16.00	0.16	-----	-----	7527
7.20	16.99	16.00	16.89	16.00	0.10	-----	16 60	7104
7.00	17.54	16.00	16.62	16.00	0.92	-----	15 50	5828
2.84	17.86	17.00	16.74	16.00	1.12	1.00	21 00	6541
4.01	18.00	17.00	17.32	16.00	0.68	1.00	12 50	6832
3.82	18.22	17.00	17.34	16.00	0.88	1.00	18 00	7425
5.95	17.41	17.00	16.05	16.00	1.36	1.00	15 55	6693
7.04	18.87	17.00	17.95	16.00	0.92	1.00	17 90	7742
3.27	18.82	17.00	17.56	16.00	1.26	1.00	17 00	7489
5.95	16.84	17.00	16.22	16.00	0.62	1.00	21 00	6269
1.00	19.01	17.00	17.85	16.00	1.16	1.00	18 00	7773
1.50	18.37	17.00	17.09	16.00	1.28	1.00	19 00	7077

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
CENTRAL CHEMICAL CO., HAGERSTOWN, MD.		
5983	Gro-All Dissolved Phosphate, -----	N. G. Adams, Paxinos, -----
6510	Gro-All Dissolved Phosphate, -----	F. B. Baker, Everett, -----
7451	Gro-All Dissolved Phosphate, -----	F. B. Baker, Everett, -----
6648	Gro-All Dissolved Phosphate, -----	M. R. Brumbaugh, Martinsburg, -----
6879	Gro-All Dissolved Phosphate, -----	E. E. Hepler, Klingerstown, -----
7122	Gro-All Dissolved Phosphate, -----	C. W. Thomas, Danville, -----
7516	Gro-All Dissolved Phosphate, -----	Strickler & Gillan, Green Castle, -----
THE COE-MORTIMER COMPANY, SUB- SIDIARY OF THE AMERICAN AGRI- CULTURAL CHEMICAL CO., NEW YORK, N. Y.		
7063	E. Frank Coe's 16% Superphosphate, -----	W. P. Lauster, Yatesboro, -----
6152	E. Frank Coe's 16% Superphosphate, -----	T. J. Malone, Coburn, -----
7009	E. Frank Coe's 16% Superphosphate, -----	John H. Roth, Hamburg, -----
7754	E. Frank Coe's 16% Superphosphate, -----	I. W. Scott Co., Pittsburgh, -----
7046	E. Frank Coe's 16% Superphosphate, -----	Geo. B. Thomas, Ellinsport, -----
THE CONSUMERS CHEMICAL CORPO- RATION, AFFILIATED WITH VIR- GINIA-CAROLINA CHEMICAL CO., BALTIMORE, MD.		
7666	Sterling Phosphate, -----	F. T. Baker, Lewisburg, -----
6819	Sterling Phosphate, -----	Murray & Co., Honesdale, -----
6202	Sterling Phosphate, -----	S. B. Romberger, Wilkes-Barre, -----
COOPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.		
6069	G. L. F. 16% Phosphoric Acid, -----	R. A. Bates & Son, Knoxville, -----
6680	G. L. F. 16% Phosphoric Acid, -----	Edwards & Evans, Wellsboro, -----
6922	G. L. F. 16% Phosphoric Acid, -----	A. W. Huff, Mt. Jewett, -----
DUMONT FERTILIZER CO., INC., PHILADELPHIA, PA.		
6443	Dumont's Acid Phosphate 16%, -----	J. M. Gingrich, Palmyra, -----
7670	Dumont's Acid Phosphate 16%, -----	South Annville Club, Annville, -----
EASTERN GUANO CO., NEW YORK, N. Y.		
7557	Eastern Dissolved Phosphate, -----	Walker Brothers, Chambersburg, -----
AMOS EBY & CO., LEAMAN PLACE, PA.		
6997	16% Acid Phosphate, -----	Amos Eby & Co., Leaman Place, -----
7828	16% Acid Phosphate, -----	Amos Eby & Co., Leaman Place, -----
EUREKA CHEMICAL COMPANY, BALTIMORE, MD.		
6785	Eureka 16% Acid Phosphate, -----	W. H. Nesbit, McConnellsburg, -----
FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.		
7548	Acid Phosphate, -----	Belleville Flour Mills, Belleville, -----
7836	Acid Phosphate, -----	Farmers Fertilizer Works, Elizabethtown, -----
6383	Acid Phosphate, -----	B. F. Horting, Newport, -----
7100	Acid Phosphate, -----	Steininger Brothers, Middleburg, -----
GRIFFITH & BOYD CO., BALTI- MORE, MD.		
6722	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	J. E. Callahan & Sons, Montoursville, --
7404	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	J. E. Callahan & Sons, Montoursville, ..

PHOSPHATE FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
6.17	17.21	16.50	16.59	16.00	0.62	0.50	18 00	5983
1.80	17.62	16.50	16.96	16.00	0.66	0.50	18 00	6510
2.32	18.88	16.50	17.00	16.00	1.88	0.50	20 00	7451
2.00	18.22	17.00	16.88	16.00	1.34	1.00	16 00	6648
3.28	16.63	16.50	16.41	16.00	0.22	0.50	16 50	6879
1.55	18.47	16.50	17.71	16.00	0.76	0.50	17 30	7122
1.25	19.03	16.50	18.19	16.00	0.84	0.50		7516
1.30	18.62	17.00	17.32	16.00	1.30	1.00	16 50	7063
5.94	17.31	17.00	16.49	16.00	0.82	1.00	18 00	6152
4.92	18.28	17.00	17.32	16.00	0.96	1.00	15 70	7609
5.30	17.85	17.00	16.73	16.00	1.12	1.00	21 00	7754
1.30	18.51	17.00	17.61	16.00	0.90	1.00	15 20	7046
3.80	17.05	17.00	16.65	16.00	0.40	1.00	16 50	7666
3.14	18.30	17.00	17.54	16.00	0.76	1.00	18 00	6819
2.35	17.44	17.00	16.04	16.00	1.40	1.00	15 00	6202
4.51	17.95		16.31		1.64		14 45	6069
6.41	17.44	16.50	16.16	16.00	1.28	0.50	17 00	6086
1.42	18.14	16.50	16.84	16.00	1.30	0.50	15 74	6922
2.12	18.98	16.50	18.86	16.00	0.12	0.50		6143
3.27	18.52	16.50	18.24	16.00	0.28	0.50	13 07	7670
2.00	18.75	16.50	18.27	16.00	0.48	0.50		7537
10.40	17.25	17.00	16.63	16.00	0.62	1.00	16 00	6997
2.80	18.76	17.00	18.40	16.00	0.36	1.00		7828
1.61	18.36	16.50	17.30	16.00	1.06	0.50	16 00	6785
4.82	18.20	17.00	18.16	16.00	0.04	1.00	17 00	7548
2.61	18.43	17.00	17.63	16.00	0.80	1.00		7836
6.99	16.54	17.00	16.42	16.00	0.12	1.00	15 00	6383
6.62	17.78	17.00	17.68	16.00	0.10	1.00	17 00	7100
3.71	16.81	17.00	16.13	16.00	0.68	1.00	20 00	6722
1.35	18.84	17.00	17.32	16.00	1.52	1.00	19 00	7404

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
7066	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	Dayton Milling Co., Dayton, -----
6587	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	Hoburg Brothers, Etna, -----
6032	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	J. F. Hogsett & Son, Uniontown, -----
7746	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	J. F. Hogsett & Son, Uniontown, -----
5903	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	Houck & Cherrington, Catawissa, -----
6176	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	Mahoning Hardware & Implement Co., Punxsutawney, -----
6290	Griffith & Boyd Co.'s High Grade 16% Acid Phosphate, -----	W. M. Templeton & Sons, Huston, -----
	S. M. HESS & BROTHER INC., SUBSID- IARY OF THE AMERICAN AGRICUL- TURAL CHEMICAL CO., NEW YORK, N. Y.	J. R. Iddings, Mifflinburg, -----
7146	Special High Grade Acid Phosphate, -----	T. H. McCombs, Venetia, -----
7739	Special High Grade Acid Phosphate, -----	Sutton & Flock, Jamestown, -----
6035	Special High Grade Acid Phosphate, -----	
	THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.	J. L. Aleorn, Titusville, -----
6242	Hubbard's 16% Acid Phosphate, -----	H. J. Beam, Big Run, -----
6423	Hubbard's 16% Acid Phosphate, -----	Coburn Grain & Creamery Co., Coburn,
7346	Hubbard's 16% Acid Phosphate, -----	J. T. Davis, Blairsville, -----
5857	Hubbard's 16% Acid Phosphate, -----	Dillsburg Grain & Milling Co., Dillsburg.
7295	Hubbard's 16% Acid Phosphate, -----	Reed McNitt, Milroy, -----
6008	Hubbard's 16% Acid Phosphate, -----	H. W. Smith, Rural Valley, -----
7059	Hubbard's 16% Acid Phosphate, -----	Solomon & Waltz, Jersey Shore, -----
7408	Hubbard's 16% Acid Phosphate, -----	Wm. H. Wall, Ambridge, -----
6249	Hubbard's 16% Acid Phosphate, -----	
	THE JARECKI CHEMICAL CO., (ARMOUR OWNED), SAN- DUSKY, OHIO.	J. L. Aleorn, Titusville, -----
6247	Jarecki's 16% Acid Phosphate, -----	Craft & Bowers, Big Run, -----
6429	Jarecki's 16% Acid Phosphate, -----	Craft & Bowers, Big Run, -----
7427	Jarecki's 16% Acid Phosphate, -----	A. H. Litchard, Turbotville, -----
6410	Jarecki's 16% Acid Phosphate, -----	Meyers Mill, Clearfield, -----
6778	Jarecki's 16% Acid Phosphate, -----	
	KEYSTONE GRANGE EXCHANGE, HARRISBURG, PA.	F. L. Block, Alexandria, -----
7187	Granger's Acid Phosphate, -----	H. W. Good, Dayton, -----
6864	Granger's Acid Phosphate, -----	Keystone Grange Exchenge, Harrisburg,
6971	Granger's Acid Phosphate, -----	R. M. Plyler, Summerville, -----
7445	Granger's Acid Phosphate, -----	Walter C. Simpson, Marion Center, -----
7281	Granger's Acid Phosphate, -----	
	LANCASTER BONE FERTILIZER CO., LANCASTER, PA.	Johnson-Byer Co., Rural Valley, -----
7799	Conestoga Brand High Grade Acid Phos- phate, -----	Lancaster Bone Fertilizer Co., Quarry- ville, -----
7822	Conestoga Brand High Grade Acid Phos- phate, -----	
7583	Conestoga Brand High Grade Acid Phos- phate, -----	Thompstontown Auto Co., Thompstontown,

PHOSPHATE FERTILIZERS—Continued.

Moisture.	PHOSPHORIO ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
4.15	18.16	17.00	16.28	16.00	1.88	1.00	17 50	7066
6.50	17.23	17.00	15.89	16.00	1.34	1.00	21 00	6587
6.65	16.85	17.00	16.35	16.00	0.50	1.00	20 00	6032
1.54	18.79	17.00	18.05	16.00	0.74	1.00	20 00	7746
7.89	16.42	-----	15.86	16.00	0.56	1.00	16 25	5903
7.02	17.18	17.00	16.26	16.00	0.92	1.00	22 00	6176
1.82	17.36	17.00	16.58	16.00	0.78	1.00	20 00	6290
1.30	18.97	17.00	17.93	16.00	1.04	1.00	17 00	7146
7.67	18.46	17.00	17.66	16.00	0.80	1.00	17 70	7739
3.15	16.91	17.00	16.11	16.00	0.80	1.00	19 00	6935
4.15	18.02	17.00	16.56	16.00	1.46	1.00	16 25	6242
2.16	17.91	17.00	16.59	16.00	1.32	1.00	17 50	6423
1.10	18.10	17.00	16.98	16.00	1.12	1.00	18 50	7346
4.65	17.86	17.00	16.48	16.00	1.38	1.00	17 00	5837
1.85	17.90	17.00	17.26	16.00	0.64	1.00	-----	7295
5.70	16.93	17.00	16.25	16.00	0.68	1.00	15 36	6408
1.32	17.73	17.00	16.79	16.00	0.94	1.00	19 00	7059
1.12	18.32	17.00	17.60	16.00	0.72	1.00	17 00	7408
3.62	17.56	17.00	16.14	16.00	1.42	1.00	20 50	6249
4.30	17.82	16.50	17.09	16.00	0.82	0.50	16 25	6247
5.00	17.35	17.00	16.45	16.00	0.90	1.00	16 75	6429
1.35	16.76	17.00	16.28	16.00	0.48	1.00	19 75	7427
4.57	17.04	17.00	16.18	16.00	0.86	1.00	14 25	6410
1.13	18.18	17.00	16.70	16.00	1.48	1.00	17 00	6778
1.40	18.14	16.00	17.30	16.00	0.84	-----	16 72	7187
5.51	17.11	16.50	15.90	16.00	1.21	0.50	16 20	6864
7.28	17.63	16.00	16.19	16.00	1.44	-----	-----	6971
1.52	18.39	16.00	17.69	16.00	0.70	-----	17 00	7445
2.25	18.48	16.00	16.89	16.00	1.68	-----	16 50	7281
1.00	17.73	17.00	17.23	16.00	0.50	1.00	18 50	7799
1.07	17.68	17.00	17.34	16.00	0.34	1.00	-----	7822
1.25	18.89	17.00	17.53	16.00	1.36	1.00	15 50	7583

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.		Sample Taken From—	
	THE LANCASTER CHEMICAL CO., LANCASTER, PA.			
7222	Phosphoric Acid Special, -----		Prey Hardware, Muncy, -----	
7616	Phosphoric Acid Special, -----		J. W. Seitzinger, Straustown, -----	
	LEBANON FERTILIZER WORKS, LEBANON, PA.			
7634	Levan's Super-Phosphate, -----		John W. Bayer, Hamburg, -----	
6668	Levan's Super-Phosphate, -----		Alvin R. Green, Lehighton, -----	
7806	Levan's Super-Phosphate, -----		A. L. Herr & Brother, Quarryville, -----	
6874	Levan's Super-Phosphate, -----		W. H. Maurer, Hegins, -----	
6329	Levan's Super-Phosphate, -----		Solomon & Waltz, Jersey Shore, -----	
7416	Levan's Super-Phosphate, -----		Solomon & Waltz, Jersey Shore, -----	
	FRED E. LORD, ESPY, PA.			
5810	Acid Phosphate, -----		Fred E. Lord, Espy, -----	
7029	Acid Phosphate, -----		Fred E. Lord, Espy, -----	
	THE MILLER FERTILIZER CO., BALTI- MORE, MD.			
6833	Miller's Acid Phosphate, -----		Bell Brothers, Nanticoke, -----	
7706	Miller's Acid Phosphate, -----		Ditz & Mooney, Clarion, -----	
7097	Miller's Acid Phosphate, -----		W. C. Follmer, Benton, -----	
6335	Miller's Acid Phosphate, -----		H. J. Lindner, Pottsgrove, -----	
6775	Miller's Acid Phosphate, -----		Routh & Swartzel, Clearfield, -----	
7181	Miller's Acid Phosphate, -----		P. S. Shoppell, Shoemakersville, -----	
	NITRATE AGENCIES COMPANY, BALTI- MORE, MD.			
6262	Naco Brand Acid Phosphate, -----		Beaver County Cooperative Association, Beaver, -----	
6161	Naco Brand Acid Phosphate, -----		Clarence Beck, Warriors Mark, -----	
6905	Naco Brand Acid Phosphate, -----		Cooperative Grange Milling Co., Titus- ville, -----	
6749	Naco Brand Acid Phosphate, -----		Red Lion Exchange, Red Lion, -----	
7245	Naco Brand Acid Phosphate, -----		E. M. Shaulis, Holsopple, -----	
	G. OBER & SONS CO., BALTIMORE, MD.			
6491	Ober's High Grade Acid Phosphate, -----		J. S. Cole, Millville, -----	
6255	Ober's High Grade Acid Phosphate, -----		Graham Brothers, Darlington, -----	
6788	Ober's High Grade Acid Phosphate, -----		E. E. Kell, Shade Gap, -----	
7762	Ober's High Grade Acid Phosphate, -----		Peter Shaffer & Son, New Brighton, -----	
	OYLER & SPANGLER FERTILIZER WORKS INC., GETTYSBURG, PA.			
6839	O. & S. Sixteen Percent, -----		Oyler & Spangler Fertilizer Works, Inc., Gettysburg, -----	
	PATAPSCO GUANO COMPANY, SUBSI- DIARY OF THE AMERICAN AGRI- CULTURAL CHEMICAL CO., BALTIMORE, MD.			
6932	Patapasco High Grade Acid Phosphate, -----		H. F. Gelbach, Evans City, -----	
7770	Patapasco High Grade Acid Phosphate, -----		Gelbaugh Feed & Grain, Evans City, -----	
6295	Patapasco High Grade Acid Phosphate, -----		Russell Brothers, Washington, -----	
7743	Patapasco High Grade Acid Phosphate, -----		Russell Brothers, Washington, -----	
	PATUXENT GUANO COMPANY, BALTI- MORE, MD.			
6485	Patuxent High Grade Acid Phosphate, -----		W. H. Snyder, Winfield, -----	

PHOSPHATE FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
2.00	20.47	-----	20.31	16.00	0.16	1.00	17 00	7222
2.50	17.95	-----	17.11	16.60	0.84	1.00	16 50	7616
2.50	17.53	17.00	17.11	16.00	0.42	1.00	17 75	7634
4.38	17.55	17.00	16.15	16.00	0.80	1.00	15 10	6668
1.82	18.92	17.00	18.76	16.00	0.16	1.00	-----	7806
3.25	17.02	17.00	16.18	16.00	0.84	1.00	14 70	6874
3.53	16.25	17.00	15.88	16.00	0.37	1.00	16 00	6329
2.50	17.42	17.00	17.28	16.60	0.14	1.00	17 00	7419
2.44	19.10	16.50	18.74	16.00	0.36	0.50	16 20	5810
8.52	18.01	16.50	17.85	16.00	0.16	0.50	16 20	7029
1.25	17.78	16.50	15.90	16.00	1.88	0.50	15 50	6833
1.05	18.43	16.50	17.81	16.00	0.62	0.50	20 60	7706
4.60	17.44	16.50	16.66	16.00	0.78	0.50	19 60	7097
2.45	17.27	16.50	16.43	16.00	0.84	0.50	16 50	6335
1.11	18.23	16.50	16.29	16.00	1.94	0.50	17 00	6775
1.27	18.02	16.50	16.80	16.00	1.22	0.50	17 00	7181
6.27	17.48	16.50	17.36	16.00	0.12	0.50	16 80	6262
6.34	17.22	16.50	16.96	16.00	0.26	0.50	14 50	6161
5.25	17.88	16.50	17.76	16.00	0.12	0.50	15 75	6305
3.86	16.38	16.50	16.32	16.00	0.06	0.50	-----	6749
7.55	18.15	16.50	18.07	16.00	0.08	0.50	16 75	7245
8.84	17.23	17.00	16.97	16.00	0.26	1.00	15.20	6491
8.50	17.09	17.00	16.75	16.00	0.34	1.00	19 50	6255
1.84	17.77	17.00	17.33	16.00	0.44	1.00	-----	6788
1.60	19.30	17.00	18.96	16.00	0.34	1.00	19 00	7762
1.75	18.14	16.50	17.78	16.00	0.36	0.50	16 50	6839
1.30	17.95	17.00	16.51	16.00	1.44	1.00	18 00	6932
1.45	19.58	17.00	18.70	16.00	0.88	1.00	20 00	7770
1.61	18.47	17.00	17.41	16.00	1.06	1.00	22 50	6295
4.35	18.73	17.00	17.83	16.00	0.90	1.00	17 65	7743
2.31	17.13	17.00	16.19	16.00	0.94	1.00	17 25	6485

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
	PENNSYLVANIA FARMERS COOPERATIVE FEDERATION, INC., PHILADELPHIA, PA.	
7765	P. F. C. F. 16% Acid Phosphate, -----	Beaver County Cooperative Association, Beaver, -----
6946	P. F. C. F. 16% Acid Phosphate, -----	J. B. Lee, Butler, -----
6167	P. F. C. F. 16% Acid Phosphate, -----	Pennsylvania Farmers Cooperative Feder- ation, Philadelphia, -----
7746	P. F. C. F. 16% Acid Phosphate, -----	W. J. Turner, Clarksville, -----
7282	P. F. C. F. 16% Acid Phosphate, -----	S. S. Wetzcl, Marion Center, -----
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.	
6505	Piedmont 16% Acid Phosphate, -----	Farmers Supply Co., Sunbury, -----
7205	Piedmont 16% Acid Phosphate, -----	Firestone & Shellito, Dillsburg, -----
6017	Piedmont 16% Acid Phosphate, -----	Thos. H. Gallentine, Scottdale, -----
7065	Piedmont 16% Acid Phosphate, -----	Plumville Supply Co., Plumville, -----
6185	Piedmont 16% Acid Phosphate, -----	Reynoldsville Hardware Co., Reynolds- ville, -----
7421	Piedmont 16% Acid Phosphate, -----	J. G. Simpson, Huntingdon, -----
7759	Piedmont 16% Acid Phosphate, -----	J. A. Van Gorder, Ellwood City, -----
	PITTSBURGH PROVISION & PACKING CO., PITTSBURGH, PA.	
6605	16% High Grade Acid Phosphate, -----	Pittsburgh Provision & Packing Co., Pittsburgh, -----
	RASIN-MONUMENTAL CO., SUBSIDIARY OF THE VIRGINIA-CAROLINA CHEMI- CAL CO., NEW YORK, N. Y.	
6079	Rasin's 16% Acid Phosphate, -----	Roy J. Dunham, Wellsboro, -----
5927	Rasin's 16% Acid Phosphate, -----	J. A. Ebricht, Mt. Pleasant Mills, -----
6164	Rasin's 16% Acid Phosphate, -----	R. L. Musser, Pennsylvania Furnace, -----
6574	Rasin's 16% Acid Phosphate, -----	Oxford Grain & Hay Co., Oxford, -----
7139	Rasin's 16% Acid Phosphate, -----	Isaac Shirey, McClure, -----
7097	Rasin's 16% Acid Phosphate, -----	H. A. Snyder, Strawberry Ridge, -----
	READING BONE FERTILIZER CO., READING, PA.	
6596	16% Clear Acid Phosphate, -----	Alex S. Campbell & Sons, Oakdale, -----
7664	16% Clear Acid Phosphate, -----	Neal S. Harrison, Forks, -----
7171	16% Clear Acid Phosphate, -----	Isaac H. Leshner, Bernville, -----
6115	16% Clear Acid Phosphate, -----	Reading Bone Fertilizer Co., Reading, -----
6219	16% Clear Acid Phosphate, -----	Bertran C. Rice, Dallas, -----
	ROBERT A. REICHARD, INC., ALLEN- TOWN, PA.	
6101	Reichard's 16% Acid Phosphate, -----	Robert A. Reichard, Inc., Allentown, -----
	F. S. ROYSTER GUANO CO., BALTI- MORE, MD.	
6900	Royster's 16% Acid Phosphate, -----	J. L. Alcorn, Titusville, -----
6074	Royster's 16% Acid Phosphate, -----	C. E. Davis, Middlebury, -----
6138	Royster's 16% Acid Phosphate, -----	Firestone & Shellito, Dillsburg, -----
7008	Royster's 16% Acid Phosphate, -----	W. C. Follmer, Benton, -----
6069	Royster's 16% Acid Phosphate, -----	J. F. Hosterman, Spring Mills, -----
7324	Royster's 16% Acid Phosphate, -----	F. L. McLlory, Utica, -----
6186	Royster's 16% Acid Phosphate, -----	Reynoldsville Hardware Co., Reynolds- ville, -----
7781	Royster's 16% Acid Phosphate, -----	Thompson Brothers, Pulaski, -----
7285	Royster's 16% Acid Phosphate, -----	Darius Waite, Bellefonte, -----
6258	Royster's 16% Acid Phosphate, -----	G. W. Walton Hardware Co., Beaver, -----
6073	Royster's 18% Acid Phosphate, -----	G. E. Davis, Middleburg, -----
6814	Royster's 18% Acid Phosphate, -----	Wm. C. Headley, Waymart, -----
6408	Royster's 18% Acid Phosphate, -----	J. M. Rider, Millville, -----

PHOSPHATE FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
1.30	17.46	17.00	16.88	16.00	0.58	1.00	17 80	7765
3.15	17.63	17.00	16.25	16.00	1.38	1.00	16 00	6946
4.11	17.30	17.00	16.48	16.00	0.82	1.00	14 40	6167
2.10	17.40	17.00	16.72	16.00	0.68	1.00	16 62	7740
1.55	18.74	17.00	17.78	16.00	0.96	1.00	17 00	7282
1.67	17.86	17.00	16.98	16.00	0.88	1.00	16 00	6505
3.12	16.76	17.00	15.98	16.00	0.78	1.00	-----	7205
3.46	17.34	17.00	16.40	16.00	0.94	1.00	19 00	6017
1.67	16.23	17.00	*15.51	16.00	0.72	1.00	16 70	7065
2.75	17.71	17.00	16.81	16.00	0.90	1.00	16 50	6185
1.40	17.41	17.00	16.77	16.00	0.64	1.00	18 00	7421
1.65	17.42	17.00	16.68	16.00	0.74	1.00	19 50	7759
4.76	17.16	17.00	16.50	16.00	0.86	1.00	24 00	6605
5.95	16.16	17.00	10.02	16.00	0.14	1.00	17 00	6079
4.65	17.97	17.00	16.69	16.00	1.28	1.00	15.65	5937
5.24	16.47	17.00	16.41	16.00	0.06	1.00	15 50	6164
4.34	16.71	17.00	16.03	16.00	0.68	1.00	14 00	6574
1.62	18.11	17.00	17.69	16.00	0.42	1.00	17 60	7139
1.60	18.11	17.00	17.67	16.00	0.44	1.00	17 00	7097
5.42	17.26	17.00	16.42	16.00	0.84	1.00	18 50	6596
2.85	17.31	17.00	16.57	16.00	0.74	1.00	16 50	7664
2.30	18.56	17.00	17.84	16.00	0.72	1.00	16 55	7171
6.85	17.41	17.00	16.56	16.00	0.85	1.00	-----	6118
4.85	16.74	17.00	16.06	16.00	0.68	1.00	16 05	6219
7.87	17.27	17.00	16.91	16.00	0.36	1.00	16 50	6101
2.63	17.27	16.50	16.25	16.00	1.02	0.50	16 25	6900
4.37	17.46	16.50	15.92	16.00	1.54	0.50	18 00	6074
1.81	18.61	16.50	16.71	16.00	1.90	0.50	-----	6138
9.05	18.45	16.50	16.03	16.00	2.42	0.50	19 00	7098
4.94	18.24	16.50	16.78	16.00	1.46	0.50	16 50	6069
1.17	18.88	16.50	17.08	16.00	1.80	0.50	16 00	7324
4.50	18.33	16.50	16.79	16.00	1.54	0.50	16 50	6186
1.77	18.97	16.50	17.49	16.00	1.48	0.50	18 50	7781
1.25	18.56	16.50	16.86	16.00	0.70	0.50	18 00	7285
1.25	18.38	16.50	16.76	16.00	1.62	0.50	19 00	6258
7.04	19.10	18.50	17.81	18.00	1.29	0.50	20 00	6073
1.64	19.53	18.50	18.37	18.00	1.16	0.50	20 80	6814
5.83	20.03	18.50	18.87	18.00	1.16	0.50	18 30	6468

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
	SCHAAL-SHELDON FERTILIZER CO., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., BUFFALO, N. Y.	
6631	Soluble Phosphate, -----	W. F. Tittle, Latrobe, -----
7265	Soluble Phosphate, -----	W. F. Tittle, Latrobe, -----
	THE SCOTT FERTILIZER COMPANY, ELKTON, MD.	
6621	Scott's Tip Top Soluble Phosphate, -----	S. Book & Brother, Quarryville, -----
7898	Scott's Tip Top Soluble Phosphate, -----	S. Book & Brother, Quarryville, -----
	STANDARD CHEMICAL WORKS, WOMELSDORF, PA.	
7303	Reading Clear Acid Phosphate, -----	J. L. Hertzler, Mechanicsburg, -----
	SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.	
6547	Summer's High Grade Acid Phosphate 16%, -----	L. A. Carlson, Warren, -----
7710	Summer's High Grade Acid Phosphate 16%, -----	L. A. Carlson, Warren, -----
	SWAKS FERTILIZER WORKS, DUBOIS, PA.	
6191	Swack's 16% Acid Phosphate, -----	Brookville Auto Works, Brookville, -----
6947	Swack's 16% Acid Phosphate, -----	W. H. Kaufman, Harmony, -----
7787	Swack's 16% Acid Phosphate, -----	P. J. Oesterling & Son, Butler, -----
5873	Swack's 16% Acid Phosphate, -----	E. J. Welch, Plumville, -----
7694	Swack's 16% Acid Phosphate, -----	Leonard Yeackle, Patton, -----
7702	Swack's 16% Acid Phosphate, -----	Leonard Yeackle, Patton, -----
	SWIFT & COMPANY, BALTIMORE, MD.	
6800	Swift's High Grade Acid Phosphate Ferti- lizer 16%, -----	B. E. & J. F. Cokely, Scranton, -----
6853	Swift's High Grade Acid Phosphate Ferti- lizer 16%, -----	W. C. Follmer, Benton, -----
7009	Swift's High Grade Acid Phosphate Ferti- lizer 16%, -----	W. C. Follmer, Benton, -----
6448	Swift's High Grade Acid Phosphate Ferti- lizer 16%, -----	Keystone Tractor & Implement Co., Palmyra, -----
6021	Swift's High Grade Acid Phosphate Ferti- lizer 16%, -----	R. H. Pritts, Scottdale, -----
7384	Swift's High Grade Acid Phosphate Ferti- lizer 16%, -----	Routh & Swartzle Co., Clearfield, -----
6713	Swift's High Grade Acid Phosphate Ferti- lizer 16%, -----	S. G. Updegraff & Son, Williamsport, --
6762	Swift's Red Steer 16% Acid Phosphate, -----	L. E. Hess, Philipsburg, -----
7653	Swift's Red Steer 16% Acid Phosphate, -----	West Side Feed Co., Erie, -----
	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.	
7078	16% Acid Phosphate, -----	C. E. Starr, Three Springs, -----
7517	16% Acid Phosphate, -----	Strickler & Gillan, Greencastle, -----
5962	16% Acid Phosphate, -----	Charles W. Thomas, Danville, -----
7128	16% Acid Phosphate, -----	Charles W. Thomas, Danville, -----
6059	16% Acid Phosphate, -----	William P. Young & Son, Pottstown, --
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.	
5972	Standard United States 16% Acid Phosphate, -----	William K. Creasy, Espy, -----
7396	Standard United States 16% Acid Phosphate, -----	William Grant Beaver, Catawissa, -----
7714	Standard United States 16% Acid Phosphate, -----	Stanley Harrison, Wilkes-Barre, -----
7730	Standard United States 16% Acid Phosphate, -----	Fred E. Hess, Nescopeck, -----
6126	Standard United States 16% Acid Phosphate, -----	A. B. C. Williams, York Springs, -----
6972	Standard United States 20% Acid Phosphate, -----	United States Guano Co., Lancaster, ----

PHOSPHATE FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
1.98	17.22	17.00	16.32	16.00	0.90	1.00	19 00	6631
2.17	18.34	17.00	16.94	16.00	1.40	1.00	19 00	7265
1.89	17.81	-----	16.65	16.00	1.16	1.00	15 00	6621
1.07	18.39	-----	17.69	16.00	0.70	1.00	-----	7808
2.05	18.50	17.00	17.38	16.00	1.12	1.00	-----	7303
4.28	16.51	16.00	16.41	16.00	0.10	-----	19 50	6547
1.62	19.27	16.50	19.19	16.00	0.08	0.50	19 50	7710
5.09	16.86	16.50	*15.74	16.00	1.12	0.50	18 00	6191
2.38	17.35	16.50	16.43	16.00	0.92	0.50	16 00	6947
1.32	18.66	16.50	18.20	16.00	0.46	0.50	18 00	7787
8.38	17.44	16.50	16.88	16.00	0.56	0.50	16 50	5873
2.07	18.06	16.50	17.52	16.00	0.54	0.50	17 00	7694
1.02	18.83	16.50	18.13	16.00	0.70	0.50	17 00	7702
3.77	16.93	16.00	16.85	16.00	0.08	-----	-----	6800
5.46	16.35	16.00	16.29	16.00	0.06	-----	17 00	6353
8.17	16.33	16.00	16.23	16.00	0.10	-----	19.00	7009
2.31	17.86	16.00	16.84	16.00	1.02	-----	-----	6448
6.66	16.74	16.00	16.62	16.00	0.12	-----	16 00	6021
1.45	17.21	16.00	17.09	16.00	0.12	-----	17 00	7384
2.14	17.90	16.00	17.44	16.00	0.46	-----	20 00	6713
1.79	17.37	16.00	16.93	16.00	0.44	-----	16 20	6762
2.32	17.40	16.00	17.24	16.00	0.16	-----	19 00	7653
1.50	18.57	16.50	17.57	16.00	1.00	0.50	15 00	7078
1.55	18.89	16.50	18.03	16.00	0.86	0.50	-----	7517
8.93	17.69	16.50	16.43	16.00	1.26	0.50	16 30	5962
1.20	18.34	16.50	17.22	16.00	1.12	0.50	17 30	7128
9.63	17.03	16.50	16.39	16.00	0.64	0.50	16 00	6059
7.13	17.03	16.50	16.56	16.00	0.47	0.50	-----	5972
1.17	17.54	16.50	17.24	16.00	0.30	0.50	13 30	7396
5.50	18.51	16.50	18.19	16.00	0.32	0.50	16 30	7714
4.30	18.96	16.50	18.88	16.00	0.08	0.50	16 30	7730
3.55	16.89	16.50	16.65	16.00	0.24	0.50	12 70	6126
9.85	19.36	20.50	19.05	20.00	0.31	0.50	-----	6972

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
7463	VIRGINIA-CAROLINA CHEMICAL CO., OF DELAWARE, NEW YORK, N. Y. V-C Star Brand, -----	Bedford County Cooperative, Association, Everett, -----
7733	V-C- Universal Brand, -----	Bedford County Cooperative, Association, Everett, -----
6224	V-C Universal Brand, -----	Clyde Duffee, Oil City, -----
6603	V-C Universal Brand, -----	Kemerer Hardware Co., Lehighon, -----
5870	V-C Universal Brand, -----	A. P. Marshall, Smicksburg, -----
7565	V-C Universal Brand, -----	J. D. Nixon, Parnassus, -----
6187	V-C Universal Brand, -----	Reynoldsville Hardware Co., Reynolds- ville, -----
6628	WASHINGTON, ALEXANDER & COOKE CO., AFFILIATED WITH VIRGINIA- CAROLINA CHEMICAL CO., CHARLES TOWN, W. VA. Wacco Super Phosphate, -----	Quarryville Farmers Association Quarry- ville, -----
7492	Wacco Super Phosphate, -----	Quarryville Farmers Association Quarry- ville, -----
6312	THE WATSONTOWN FERTILIZER CO., WATSONTOWN, PA. Acid Phosphate, -----	C. A. B. Bower, Montgomery, -----
5948	Acid Phosphate, -----	Watsonstown Fertilizer Co., Watsonstown, -----
7040	Acid Phosphate, -----	Watsonstown Fertilizer Co., Watsonstown, -----
6371	YORK CHEMICAL WORKS, YORK, PA. 16% Acid Phosphate, -----	Ralph G. Beaver, Thompsonstown, -----
6085	16% Acid Phosphate, -----	C. J. Every, Mansfield, -----
6860	16% Acid Phosphate, -----	R. W. Hamilton, Home, -----
6750	16% Acid Phosphate, -----	Red Lion Exchange, Red Lion, -----
6528	16% Acid Phosphate, -----	Geo. W. Wineburg, Big Run, -----
7437	16% Acid Phosphate, -----	Geo. W. Wineburg, Big Run, -----
	LOW GRADE FORMULAS.	Average, -----
6542	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y. Basic Lime Phosphate, -----	M. Beshlin, Warren, -----
7501	Basic Lime Phosphate, -----	John Greenleaf, Quarryville, -----
7054	Basic Lime Phosphate, -----	Hartley & Blaine, Turbotville, -----
7086	Basic Lime Phosphate, -----	Ewing P. Kinsloe, Newton Hamilton, -----
6643	Basic Lime Phosphate, -----	Stultz Brothers, Hollidaysburg, -----
7656	Basic Lime Phosphate, -----	Stultz Brothers, Hollidaysburg, -----
5927	Basic Lime Phosphate, -----	W. B. Winey & Son, Middleburg, -----
6846	Lister's Lime Phosphate, -----	Ebensburg Milling Co., Ebensburg, -----
6319	Lister's Lime Phosphate, -----	Harry Grittnr, Montgomery, -----
6356	Lister's Lime Phosphate, -----	Hernan & Wetzel, Selinsgrove, -----
7216	Lister's Lime Phosphate, -----	Benjamin Savidge, Turbotville, -----
7317	Lister's Lime Phosphate, -----	O. B. Sender, Beavertown, -----
5991	Lister's Lime Phosphate, -----	R. R. Yoder, Belleville, -----
6338	Patapsco Lime (Crow Brand) Phosphate, -----	John J. Autin, Pottsgrove, -----
7454	Patapsco Lime (Crow Brand) Phosphate, -----	T. Baker, Everett, -----
7591	Patapsco Lime (Crow Brand) Phosphate, -----	B. F. Horting, Newport, -----
6852	Woolridge's Lime Phosphate, -----	W. B. Barnitz, Carlisle, -----
6411	Woolridge's Lime Phosphate, -----	H. V. Smith, Turbotville, -----
7212	Woolridge's Lime Phosphate, -----	H. V. Smith, Turbotville, -----
6129	Woolridge's Lime Phosphate, -----	Robert Wentz, Wellsville, -----
6851	ARMOUR FERTILIZER WORKS, BALTI- MORE, MD. Armour's Lime Phosphate Fertilizers, -----	Ebensburg Milling Co., Ebensburg, -----
7220	Armour's Lime Phosphate Fertilizers, -----	McConnell Brothers, Hughesville, -----
7690	Armour's Lime Phosphate Fertilizers, -----	F. J. Strittmatter Co., Bradley Junction, -----

PHOSPHATE FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
3.15	21.07	21.00	20.79	20.00	0.28	1.00	23 50	7463
1.75	17.35	17.00	16.99	16.00	0.36	1.00	19 50	7733
5.67	17.73	17.00	17.09	16.00	0.64	1.00	19 00	6224
4.54	17.37	17.00	17.29	16.00	0.08	1.00	13 75	6663
5.30	16.14	17.00	15.94	16.00	0.20	1.00	16 00	5870
1.25	17.05	17.00	16.55	16.00	0.50	1.00	19 00	7565
5.08	16.06	17.00	15.96	16.00	0.10	1.00	15 50	6187
4.13	16.54	-----	16.38	16.00	0.16	-----	14 50	6628
1.50	18.14	17.00	18.04	16.00	0.10	1.00	-----	7492
6.33	18.04	16.50	17.88	16.00	0.16	0.50	16 50	6312
10.15	17.76	16.50	17.60	16.00	0.16	0.50	16 60	5948
1.75	18.29	16.50	17.77	16.00	0.52	0.50	17 60	7040
7.57	16.51	16.00	16.35	16.00	0.16	-----	13 50	6371
8.19	17.13	16.00	16.63	16.00	0.50	-----	19 00	6085
6.74	16.62	16.00	16.50	16.00	0.12	-----	15 00	6800
5.65	17.22	16.00	17.10	16.00	0.12	-----	-----	6750
3.45	17.37	16.00	16.93	16.00	0.44	-----	16 60	6528
3.20	18.96	16.00	18.88	16.00	0.08	-----	17 60	7437
3.68	17.82	-----	17.04	-----	0.78	-----	\$17 50	-----
2.09	15.93	14.00	*12.70	13.00	3.23	1.00	21 00	6542
1.35	15.65	14.00	13.53	13.00	2.12	1.00	-----	7501
2.02	15.41	14.00	13.15	13.00	2.26	1.00	17 00	7054
1.57	15.12	14.00	13.06	13.00	2.06	1.00	18 00	7086
2.05	14.80	14.00	13.30	13.00	1.50	1.00	18 00	6648
1.00	15.50	14.00	13.36	13.00	2.14	1.00	21 00	7686
1.64	15.10	14.00	*12.60	13.00	2.50	1.00	16 50	59 7
1.71	15.60	14.00	13.40	13.00	2.20	1.00	16 00	6846
1.68	14.86	14.00	*12.74	13.00	2.12	1.00	15 30	6319
1.79	14.92	14.00	*12.33	13.00	2.59	1.00	16 50	6556
1.40	15.84	14.00	13.60	13.00	2.24	1.00	17 50	7216
1.60	15.56	14.00	13.54	13.00	2.02	1.00	16 93	7317
2.11	15.14	14.00	13.16	13.00	1.98	1.00	17 00	5991
1.41	14.84	14.00	*12.65	13.00	2.19	1.00	-----	6338
2.07	15.72	14.00	13.44	13.00	2.28	1.00	20 00	7454
1.25	15.70	14.00	13.24	13.00	2.46	1.00	16 25	7591
1.37	15.37	14.00	13.49	13.00	1.88	1.00	-----	5852
1.74	15.24	14.00	12.92	13.00	2.32	1.00	16 50	6411
1.30	16.37	14.00	14.09	13.00	2.28	1.00	16 50	7212
1.60	15.22	14.00	13.02	13.00	2.20	1.00	-----	6129
1.15	14.27	13.50	13.15	13.00	1.12	0.50	16 00	6851
1.35	15.37	13.50	14.35	13.00	1.02	0.50	18 00	7220
1.34	15.41	13.50	13.91	13.00	1.50	0.50	17 50	7690

*Deficient.

TABLE VII.—ACIDULATED

Chemist's number.	Name of Manufacture and Brand.		Sample Taken From—	
	BAUGH & SONS CO., PHILADELPHIA, PA.			
7560	Baugh's Lime and Phosphate, -----		Belleville Flour Mills, Belleville, -----	
7079	Baugh's Lime and Phosphate, -----		Briggs Brothers, Mt. Union, -----	
5996	Baugh's Lime and Phosphate, -----		Walter Foltz, Belleville, -----	
7535	Baugh's Lime and Phosphate, -----		D. W. Foust & Son, Chambersburg, -----	
5925	Baugh's Lime and Phosphate, -----		H. A. Long, Liverpool, -----	
7105	Baugh's Lime and Phosphate, -----		J. O. Wagner, Beaver Springs, -----	
	THE CENTRAL CHEMICAL CO., HAGERSTOWN, MD.			
7518	Carbo Lime Phosphate, -----		Strickler & Gillan, Greencastle, -----	
	THE COE-MORTIMER CO., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
7045	E. Frank Coe's Basic Lime Phosphate, -----		Geo. B. Thomas, Elmsport, -----	
	S. M. HESS & BROTHER, INC., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
6465	Processed Phospho Lime, -----		Geo. Emerick, Center Hall, -----	
	THE HUBBARD FERTILIZER CO., BALTIMORE, MD.			
6500	Hubbard's Lime and Phosphate, -----		J. E. Herman, Beaver Springs, -----	
7315	Hubbard's Lime and Phosphate, -----		J. L. Hertzler, Mechanicsburg, -----	
7410	Hubbard's Lime and Phosphate, -----		Solomon & Waltz, Jersey Shore, -----	
	THE MILLER FERTILIZER CO., BALTIMORE, MD.			
5984	Miller's Lime Phosphate, -----		H. J. Lindner, Pottsgrove, -----	
	PATUXENT GUANO COMPANY, BALTIMORE, MD.			
6286	Patuxent Lime Phosphate 30% Lime, -----		Charles S. Brunner, New Bloomfield, -----	
7600	Patuxent Lime Phosphate 30% Lime, -----		Charles S. Brunner, New Bloomfield, -----	
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.			
7202	Royster's Lime Phosphate, -----		Firestone & Shellito, Dillsburg, -----	
	SWIFT & COMPANY, BALTIMORE, MD.			
7004	Swift's Lime Phosphate Fertilizer 13%, -----		W. C. Follmer, Benton, -----	
	VIRGINIA-CAROLINA CHEMICAL CO. OF DELAWARE, NEW YORK, N. Y.			
7464	V-C Phospho Tobacco, -----		Bedford County Cooperative Association, Everett, -----	
	WASHINGTON-ALEXANDER & COOKE CO., AFFILIATED WITH VIRGINIA-CAROLINA CHEMICAL CO., CHARLESTOWN, W. VA.			
7190	Waco Lime Phosphate Mixture, -----		E. S. Kelly, Gettysburg, -----	
6626	Waco Lime Phosphate Mixture, -----		Quarryville Farmers Association, Quarryville, -----	
6627	Waco Lime Phosphate Mixture, -----		Quarryville Farmers Association, Quarryville, -----	
7491	Waco Lime Phosphate Mixture, -----		Quarryville Farmers Association, Quarryville, -----	
			Average, -----	
			Total average, -----	

PHOSPHATE FERTILIZERS—Concluded.

Moisture.	PHOSPHORIC ACID.						Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
%	%	%	%	%	%	%	\$	
1.16	15.27	13.00	13.73	13.00	1.54	-----	18 00	7550
1.50	15.04	13.00	13.00	13.00	2.04	-----	18 00	7079
1.71	13.88	13.00	12.96	13.00	0.92	-----	16 00	5996
1.65	15.42	13.00	13.66	13.00	1.76	-----		7535
1.67	14.09	13.00	12.88	13.00	1.21	-----	15 50	5925
1.80	15.06	13.00	*12.74	13.00	2.32	-----	16 60	7105
1.30	16.67	14.00	14.67	13.00	2.00	1.00	-----	7518
1.60	15.66	14.00	13.40	13.00	2.26	1.00	15 68	7045
1.65	15.18	14.00	12.92	13.00	2.26	1.00	-----	6465
1.22	13.28	14.00	*11.09	13.00	2.19	1.00	15 50	6500
1.50	14.04	14.00	*12.68	13.00	1.36	1.00	-----	7315
4.12	15.05	14.00	*11.29	13.00	3.76	1.00	17 50	7410
2.13	14.57	13.50	13.01	13.00	1.56	0.50	16 50	5984
6.46	14.63	13.50	13.17	13.00	1.46	0.50	16 00	6356
1.50	16.84	14.00	14.70	13.00	2.14	1.00	17 50	7600
1.15	15.51	13.50	13.19	13.00	2.32	0.50	-----	7102
2.55	14.39	13.00	13.11	13.00	1.28	-----	19 00	7004
2.95	15.38	14.00	14.88	13.00	0.50	1.00	21 00	7464
1.25	14.71	-----	14.01	13.00	0.70	1.00	15 50	7190
2.54	13.67	-----	*12.76	13.00	0.91	-----	14 50	6623
1.35	13.01	14.00	*12.31	13.00	0.70	1.00	14 50	6627
1.45	14.18	-----	13.26	13.00	0.82	1.00	-----	7191
1.79	15.08	-----	13.21	-----	1.87	-----	\$17 11	-----
3.41	17.43	-----	16.49	-----	0.94	-----	\$17 44	-----

*Deficient.

TABLE VIII.—ROCK AND
Furnishing Phosphoric

Chemist's number.

Name of Manufacturer and Brand.

Sample Taken From—

HIGH GRADE FORMULAS.

THE AMERICAN AGRICULTURAL
CHEMICAL CO., NEW
YORK, N. Y.

6320	Lister's Atlas Brand Alkaline Fertilizer, --
7479	Lister's Atlas Brand Alkaline Fertilizer, --
5994	Lister's Atlas Brand Alkaline Fertilizer, --
7682	Three Star Phosphate and Potash, -----
5850	Victory Phosphate and Potash, -----
7555	Victory Phosphate and Potash, -----
7684	Victory Phosphate and Potash, -----
7144	Victory Phosphate and Potash, -----
6314	Victory Phosphate and Potash, -----
5907	Victory Phosphate and Potash, -----
6164	Victory Phosphate and Potash, -----
7257	Victory Phosphate and Potash, -----
6853	XXX Phosphate and Potash, -----
7676	XXX Phosphate and Potash, -----
7271	XXX Phosphate and Potash, -----
7777	XXX Phosphate and Potash, -----
5866	XXX Phosphate and Potash, -----
7036	XXX Phosphate and Potash, -----

AMERICAN FERTILIZING COMPANY,
BALTIMORE, MD.

5833	American Climax Phosphate and Potash, --
------	--

ARMOUR FERTILIZER WORKS,
BALTIMORE, MD.

5914	Armour's Big Crop Fertilizers O-12-5, -----
6913	Armour's Big Crop Fertilizers O-12-5, -----
6570	Armour's Big Crop Fertilizers O-12-5, -----
7263	Armour's Big Crop Fertilizers O-12-5, -----
7574	Armour's Big Crop Fertilizers O-12-6, -----
5910	Armour's Big Crop Fertilizers O-12-6, -----
5986	Armour's Big Crop Fertilizers O-12-6, -----
7840	Armour's Big Crop Fertilizers O-12-6, -----

BALTIMORE FERTILIZER CO.,
BALTIMORE, MD.

7534	Honest 10-5, -----
------	--------------------

BAUGH & SONS COMPANY,
PHILADELPHIA, PA.

5974	Baugh's 10 and 4 Phosphate and Potash Mixture, -----
7286	Baugh's 12 and 5 Phosphate and Potash Mixture, -----
5995	Baugh's 12 and 5 Phosphate and Potash Mixture, -----
7536	Baugh's 12 and 5 Phosphate and Potash Mixture, -----
6938	Baugh's 12 and 5 Phosphate and Potash Mixture, -----
5827	Baugh's 12 and 5 Phosphate and Potash Mixture, -----
7116	Baugh's 12 and 5 Phosphate and Potash Mixture, -----

Harry Grittner, Montgomery, -----
R. D. Wenner, Stillwater, -----
R. R. Yoder, Belleville, -----
C. E. Brunbaugh, New Enterprise, -----
Wm. B. Barnitz, Carlisle, -----
Wm. B. Barnitz, Carlisle, -----
Cove Cooperative Association, Curryville, -----
J. R. Iddings, Mifflinburg, -----
Reuben Persun, Montgomery, -----
Geo. L. Schell, Vicksburg, -----
R. M. Smith, Center Hall, -----
F. P. Waite, Tyrone, -----
H. C. Berrits Sons, Somerset, -----
C. E. Brumbaugh, New Enterprise, -----
Gant Hardware Co., Jeannette, -----
Phillips & Minner, New Wilmington, -----
The Farmers Exchange, Indiana, -----
Wolfe & Huffman, Watontown, -----

H. C. Hertzler, Mechanicsburg, -----

D. Luther Bogennief, Mifflinburg, -----
Fetzer Brothers Hardware, Brookville, -----
Passmore & Co., Nottingham, -----
A. J. Steele, Latrobe, -----
W. T. Balsiger, Apollo, -----
D. Luther Bogennief, Mifflinburg, -----
G. W. Seiber, Mill Creek, -----
Walker & Son, Gap, -----

Baltimore Fertilizer Co., Chambersburg, -----

H. B. Low & Son, Orangeville, -----

Dillsburg Grain & Milling Co., Dillsburg, -----

Walter Foltz, Belleville, -----

D. W. Foust & Son, Chambersburg, -----
--

Greenville Coal & Ice Co., Greenville, -----
--

Edward P. Wargo, Danville, -----

Edward P. Wargo, Danville, -----

POTASH FERTILIZERS.

Acid and Potash.

Moisture.	PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	\$		
5.90	12.42	13.00	*11.58	12.00	0.84	1.00	5.44	5.00	5.44	-----	23 45	6820
6.82	14.64	13.00	13.18	12.90	1.46	1.00	5.05	5.00	5.05	-----	23 85	7479
9.00	12.45	13.00	*11.72	12.00	0.73	1.00	5.05	5.00	5.05	-----	23 00	5994
3.80	11.29	11.00	10.23	10.00	1.06	1.00	4.66	4.00	4.66	-----	25 50	7082
4.89	13.07	13.00	12.15	12.00	0.92	1.00	5.72	5.00	5.72	-----	21 50	5859
2.75	13.92	13.00	13.24	12.00	0.68	1.00	5.92	5.00	5.92	-----	-----	7555
5.62	14.02	13.00	13.18	12.00	0.84	1.00	5.06	5.00	5.06	-----	27 25	7684
3.50	13.90	13.00	13.00	12.00	0.90	1.00	5.23	5.00	5.23	-----	25 00	7144
2.31	12.78	13.00	12.21	12.00	0.57	1.00	5.72	5.00	5.72	-----	-----	6314
8.50	12.65	13.00	12.07	12.00	0.58	1.00	5.36	5.00	5.36	-----	22 75	5907
3.25	12.63	13.00	12.03	12.00	0.60	1.00	5.92	5.00	5.92	-----	20 00	6161
7.95	13.59	13.00	12.77	12.00	6.82	1.00	5.21	5.00	5.21	-----	27 00	7257
2.91	11.54	11.00	10.84	10.00	0.70	1.00	9.36	8.00	9.36	-----	24 00	6853
4.82	11.12	11.00	10.12	10.00	1.00	1.00	8.41	8.00	8.41	-----	28 60	7676
2.30	11.63	11.00	11.13	10.00	0.50	1.00	8.09	8.00	8.09	-----	40 00	7271
1.19	12.79	11.00	12.03	10.00	0.76	1.00	9.27	8.00	9.27	-----	30 00	7777
6.23	10.64	11.00	10.22	10.00	0.42	1.00	8.80	8.00	8.80	-----	28 80	5866
6.90	10.97	11.00	10.07	10.00	0.90	1.00	8.47	8.00	8.47	-----	24 50	7036
5.45	12.69	13.00	12.35	12.00	0.34	1.00	6.07	6.00	6.07	-----	-----	5838
6.96	12.53	12.50	*11.65	12.00	0.88	0.50	5.40	5.00	5.40	-----	22 70	5914
3.72	13.13	12.50	12.41	12.00	0.72	0.50	6.01	5.00	6.01	-----	40 00	6913
5.84	13.19	12.50	12.37	12.00	0.82	0.50	4.97	5.00	4.97	-----	20 00	6570
4.52	12.37	12.50	12.13	12.00	0.24	0.50	5.89	5.00	5.89	-----	28 50	7263
4.45	12.55	12.50	12.27	12.00	0.28	0.50	6.18	6.00	6.18	-----	-----	7574
6.44	13.10	12.50	12.06	12.00	1.04	0.50	6.17	6.00	6.17	-----	-----	5910
11.13	12.34	12.50	12.01	12.00	0.33	0.50	6.03	6.00	6.03	-----	27 00	5986
8.85	12.69	12.50	12.33	12.00	0.36	0.50	6.64	6.00	6.64	-----	-----	7840
1.50	11.44	-----	10.54	10.00	0.90	1.60	5.88	5.00	5.88	-----	-----	7534
6.99	10.38	10.00	*9.80	10.00	0.58	-----	4.40	4.00	4.40	-----	21 00	5974
5.50	13.96	12.00	13.28	12.00	0.63	-----	5.29	5.00	5.29	-----	-----	7236
8.12	12.42	12.00	11.90	12.00	0.52	-----	5.64	5.00	5.64	-----	23 00	5995
2.95	14.12	12.00	13.38	12.00	0.74	-----	6.20	5.00	6.20	-----	-----	7536
7.00	12.64	12.00	11.93	12.00	0.71	-----	5.95	5.00	5.95	-----	25 00	6938
7.52	12.63	12.00	12.01	12.00	0.62	-----	5.49	5.00	5.49	-----	24 00	5827
4.97	14.03	12.00	13.11	12.00	0.92	-----	5.72	5.00	5.72	-----	25 50	7116

*Deficient.

TABLE VIII.—ROCK AND

Chemist's number.	Name of Manufacture and Brand.		Sample Taken From—	
	BOWKER FERTILIZER COMPANY, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
7439	Bowker's 10 and 8, -----		Joe London, Cloe, -----	
6282	Bowker's 10 and 8, -----		L. Todd Owens, Apollo, -----	
	CENTRAL CHEMICAL CO., HAGERS-TOWN, MD.			
7523	Gro-All Potash Special, -----		Omwake Brothers, Green Castle, -----	
7124	Gro-All Potash Special, -----		C. W. Thomas, Danville, -----	
	THE COE-MORTIMER CO., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
6901	E. Frank Coe's Ten and Eight, -----		J. N. Holder, Titusville, -----	
7608	E. Frank Coe's Ten and Eight, -----		John H. Roth, Hamburg, -----	
7049	E. Frank Coe's Ten and Eight, -----		Geo. B. Thomas, Elmsport, -----	
	DUMONT FERTILIZER CO., INC., PHILADELPHIA, PA.			
6978	Dumont's Potash and Available Phosphate 12-5, -----		J. H. Reitz, Millway, -----	
7669	Dumont's Potash and Available Phosphate 12-5, -----		South Annville Club, Annville, -----	
	EASTERN GUANO CO., NEW YORK, N. Y.			
7538	Eastern Potash Triumph, -----		Walker Brothers, Chambersburg, -----	
	AMOS EBY & CO., LEAMAN PLACE, PA.			
6995	Pequea Crop Grower, -----		Amos Eby & Co., Leaman Place, -----	
7825	Pequea Crop Grower, -----		Amos Eby & Co., Leaman Place, -----	
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.			
7547	Farmers Phosphate and Potash, -----		Belleville Flour Mills, Belleville, -----	
7830	Farmers Phosphate and Potash, -----		Farmers Fertilizer Works, Elizabethtown, -----	
6003	Farmers Phosphate and Potash, -----		Walter Foltz, Belleville, -----	
7099	Farmers Phosphate and Potash, -----		Steininger Brothers, Middleburg, -----	
	W. C. FOLLMER, BENTON, PA.			
6949	Corn, Potato and Oats Phosphate 10-4, -----		W. C. Follmer, Benton, -----	
7014	Corn, Potato and Oats Phosphate 10-4, -----		W. C. Follmer, Benton, -----	
	GRIFFITH & BOYD CO., BALTIMORE, MD.			
6399	Griffith & Boyd Co.'s Monarch Brand, -----		Frank Reece, Muncy, -----	
7174	Griffith & Boyd Co.'s Special Grain Grower, -----		Howard E. Degler, Hamburg, -----	
7227	Griffith & Boyd Co.'s XX Potash Manure, -----		J. S. Artley, Muncy, -----	
6863	Griffith & Boyd Co.'s XX Potash Manure, -----		Dayton Milling Co., Dayton, -----	
7069	Griffith & Boyd Co.'s XX Potash Manure, -----		Dayton Milling Co., Dayton, -----	
5917	Griffith & Boyd Co.'s XX Potash Manure, -----		Charles G. Klockner, Millmont, -----	
6015	Griffith & Boyd Co.'s XX Potash Manure, -----		H. S. Limbert, Center Hall, -----	
	S. M. HESS & BROTHER, INC., SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
7356	Best Phosphate and Potash Mixture, -----		G. H. Emrick, Center Hall, -----	
6934	Best Phosphate and Potash Mixture, -----		Sutton & Flock, Jamestown, -----	

POTASH FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	\$	
1.52	11.66	11.00	10.92	10.00	0.74	1.00	9.09	8.00	9.09	-----	26 45	7439
4.60	10.26	11.00	*9.52	10.00	0.74	1.00	8.87	8.00	8.87	-----	26 50	6282
3.85	12.93	12.50	12.49	12.00	0.44	0.50	6.10	5.00	6.10	-----	-----	7523
3.37	13.09	12.50	12.75	12.00	0.34	0.50	5.42	5.00	5.42	-----	25 15	7124
4.92	10.87	11.00	10.57	10.00	0.30	1.00	8.64	8.00	8.64	-----	26 00	6901
4.00	11.08	11.00	10.28	10.00	0.80	1.00	8.76	8.00	8.76	-----	24 55	7608
5.17	11.47	11.00	10.55	10.00	0.92	1.00	8.41	8.00	8.41	-----	25 80	7049
6.00	13.07	12.50	12.15	12.00	0.92	0.50	6.07	5.00	6.07	-----	-----	6978
3.85	15.58	12.50	14.42	12.00	1.16	0.50	*4.34	5.00	4.34	-----	20 50	7609
3.20	13.24	12.50	12.38	12.00	0.80	0.50	5.46	5.00	5.46	-----	-----	7538
6.62	10.01	11.00	*9.65	10.00	0.36	1.00	6.33	5.00	6.33	-----	22 00	6995
5.50	11.74	-----	11.53	10.00	0.21	1.00	5.11	5.00	5.11	-----	-----	7825
4.35	13.50	13.00	13.24	12.00	0.26	1.00	5.48	5.00	5.48	-----	23 00	7547
4.62	14.14	13.00	12.90	12.00	1.24	1.00	5.53	5.00	5.53	-----	-----	7850
7.56	13.55	13.00	13.41	12.00	0.14	1.00	*4.11	5.00	4.11	-----	23 00	6003
7.50	12.86	13.00	12.78	12.00	0.08	1.00	5.06	5.00	5.06	-----	25 00	7099
3.05	10.57	-----	10.46	10.00	0.11	1.00	5.42	4.00	5.42	-----	20 00	6349
6.32	10.92	-----	10.38	10.00	0.54	1.00	4.54	4.00	4.54	-----	24 00	7014
5.05	8.87	9.00	8.35	8.00	0.52	1.00	*7.37	8.00	7.37	-----	24 00	6399
2.62	11.80	11.00	10.60	10.00	1.20	1.00	2.88	2.00	2.88	-----	21 25	7174
4.40	12.42	11.00	10.70	10.00	1.72	1.00	*4.27	5.00	4.27	-----	25 50	7227
8.30	10.65	11.00	10.13	10.00	0.52	1.00	5.29	5.00	5.29	-----	24 00	6803
5.15	12.44	11.00	10.78	10.00	1.66	1.00	*2.98	5.00	2.98	-----	25 00	7009
7.96	10.86	11.00	10.56	10.00	0.30	1.00	5.14	5.00	5.14	-----	22 50	5917
8.78	10.86	11.00	10.54	10.00	0.32	1.00	5.62	5.00	5.62	-----	25 00	6015
4.00	11.41	11.00	10.53	10.00	0.88	1.00	8.74	8.00	8.74	-----	27 75	7356
7.46	10.97	11.00	10.51	10.00	0.46	1.00	8.26	8.00	8.26	-----	28 00	6934

*Deficient.

TABLE VIII.—ROCK AND

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
	HUBBARD FERTILIZER CO., BALTI- MORE, MD.	
7342	Hubbard's High Grade Potash Mixture, --	Coburn Grain & Creamery Co., Coburn,
7596	Hubbard's High Grade Potash Mixture, --	E. R. Loy, Loysville, -----
7071	Hubbard's High Grade Potash Mixture, --	R. C. Wilson, Dayton, -----
7357	Hubbard's 12-5 Alkaline, -----	Bradford & Co., Center Hall, -----
7393	Hubbard's 12-5 Alkaline, -----	Neal S. Harrison, Forks, -----
7708	Hubbard's 12-5 Alkaline, -----	John A. McGee Co., Clarion, -----
	KEYSTONE GRANGE EXCHANGE, HARRISBURG, PA.	
7444	Grangers Superior, -----	R. M. Plyler, Summerville, -----
	LANCASTER BONE FERTILIZER CO., LANCASTER, PA.	
7819	Conestoga Brand Standard Potash Mix- ture, -----	Lancaster Bone Fertilizer Co., Quarry- ville, -----
7629	Conestoga Brand Standard Potash Mix- ture, -----	Frank H. Rentschler, Shartelsville, ---
7582	Conestoga Brand Standard Potash Mix- ture, -----	Thompstontown Auto Co., Thompstontown,
	THE LANCASTER CHEMICAL CO., LANCASTER, PA.	
7223	Speeial Potash Manure, -----	Frey Hardware, Muney, -----
	LEBANON FERTILIZER WORKS, LEBANON, PA.	
6498	Levan's Naught Ten Four, -----	C. F. Gelbach, Duncannon, -----
6623	Levan's Naught Ten Four, -----	H. L. Herr & Brother, Quarryville, ---
7801	Levan's Naught Ten Four, -----	H. L. Herr & Brother, Quarryville, ---
6681	Levan's Naught Twelve Six, -----	John Bayer, Hamburg, -----
6069	Levan's Naught Twelve Six, -----	Alvin R. Green, Lehighton, -----
7802	Levan's Naught Twelve Six, -----	A. L. Herr & Brother, Quarryville, ---
5987	Levan's Naught Twelve Six, -----	Wm. S. Kennedy, Mill Creek, -----
6332	Levan's Naught Twelve Six, -----	Solomon & Waltz, Jersey Shore, -----
7414	Levan's Naught Twelve Six, -----	Solomon & Waltz, Jersey Shore, -----
5966	Levan's Naught Twelve Six, -----	Chas. W. Thomas, Danville, -----
	FRED E. LORD, ESPY, PA.	
5808	Columbia County Fall Special, -----	Fred E. Lord, Espy, -----
7030	Columbia County Fall Special, -----	Fred E. Lord, Espy, -----
	THE MILLER FERTILIZER CO., BALTIMORE, MD.	
5985	Miller's 4% Alkaline, -----	H. J. Lindner, Pottsgrove, -----
7815	Miller's 12-5, -----	John Greenleaf, Quarryville, -----
5944	Miller's 12-5, -----	Hartley & Blaine, Turbotville, -----
7092	Miller's 12-5, -----	Hartley & Blaine, Turbotville, -----
6966	Miller's 12-5, -----	G. W. Koser, Biglerville, -----
7178	Miller's 12-5, -----	P. S. Shappell, Shoemakersville, -----
	NITRATE AGENCIES COMPANY, BALTIMORE, MD.	
7244	Naeo Brand 0-12-5, -----	E. M. Shaulis, Holsonple, -----
6737	Naeo Brand Equivalent 0-12-5, -----	Red Lion Exehange, Red Lion, -----
	G. OBER & SONS CO., BALTIMORE, MD.	
7074	Ober's Standard Potash Compound, -----	Harry W. Good, Dayton, -----
6733	Ober's Standard Potash Compound, -----	G. Alvin Poust, Hughesville, -----
	PIEDMONT MT AIRY GUANO CO., BALTIMORE, MD.	
7758	Piedmont Potash Speeial, -----	J. A. Van Gorder, Ellwood City, -----
6467	Piedmont Speeial Potash Mixture, -----	John G. Simpson, Huntingdon, -----
7790	Piedmont Superphosphate and Potash, ---	Greenville Coal & Ice Co., Greenville, ..

POTASH FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	\$	
4.95	11.42	11.00	10.76	10.00	0.66	1.00	4.50	4.00	4.50	-----	24 50	7342
2.55	11.29	11.00	10.61	10.00	0.68	1.00	4.19	4.00	4.19	-----	-----	7596
2.45	11.68	11.00	11.08	10.00	0.60	1.00	4.60	4.00	4.60	-----	26 60	7071
3.50	13.74	13.00	13.20	12.00	0.54	1.00	5.59	5.00	5.59	-----	24 35	7357
1.67	13.76	13.00	13.02	12.00	0.74	1.00	5.82	5.00	5.82	-----	25 00	7393
5.30	12.91	13.00	12.41	12.00	0.50	1.00	5.57	5.00	5.57	-----	30 00	7703
4.00	13.71	12.50	13.05	12.00	0.66	0.50	5.49	5.00	5.49	-----	32 00	7444
4.35	13.80	13.00	13.30	12.00	0.50	1.00	5.09	5.00	5.09	-----	-----	7819
4.35	13.24	13.00	12.92	12.00	0.32	1.00	5.39	5.00	5.39	-----	25 75	7629
4.30	12.76	13.00	12.24	12.00	0.52	1.00	5.37	5.00	5.37	-----	23 00	7582
6.62	11.85	-----	11.31	10.00	0.54	1.00	6.26	5.00	6.26	-----	25 00	7223
4.88	10.38	11.00	9.93	10.00	0.45	1.00	4.43	4.00	4.43	-----	20 50	6498
3.39	10.57	11.00	10.07	10.00	0.50	1.00	4.19	4.00	4.19	-----	-----	6633
6.08	10.54	11.00	9.82	10.00	0.72	1.00	4.83	4.00	4.83	-----	-----	7801
3.15	12 76	13.00	11.86	12.00	0.90	1.00	6.09	6.00	6.09	-----	26 50	6681
4.34	12.25	13.00	*11.06	12.00	1.19	1.00	6.89	6.00	6.89	-----	23 95	6669
6.00	13.41	13.00	12.57	12.00	0.84	1.00	6.26	6.00	6.26	-----	-----	7802
6.65	12.42	13.00	11.94	12.00	0.48	1.00	6.09	6.00	6.09	-----	24 10	59 7
5.13	12.60	13.00	12.18	12.00	0.42	1.00	6.21	6.00	6.21	-----	26 00	6332
3.50	13.23	13.00	13.09	12.00	0.14	1.00	6.72	6.00	6.72	-----	26 50	7414
3.31	13.22	13.00	12.60	12.00	0.62	1.00	6.36	6.00	6.36	-----	-----	5966
7.87	13.10	12.50	12.53	12.00	0.57	0.50	5.30	5.00	5.30	-----	21 60	5898
8.92	13.24	12.50	12.88	12.00	0.36	0.50	5.45	5.00	5.45	-----	21 60	7030
5.01	10.60	10.50	9.98	10.00	0.62	0.50	4.46	4.00	4.46	-----	22 75	5985
5.57	13.39	12.50	12.89	12.00	0.50	0.50	5.19	5.00	5.19	-----	-----	7815
4.83	12.90	12.50	12.16	12.00	0.74	0.50	5.37	5.00	5.37	-----	24 75	5944
3.37	13.62	12.50	12.90	12.00	0.72	0.50	5.31	5.00	5.31	-----	25 00	7092
4.21	13.60	12.50	12.12	12.00	1.48	0.50	5.08	5.00	5.08	-----	23 00	6966
2.15	13.62	12.50	12.72	12.00	0.90	0.50	5.88	5.00	5.88	-----	26 00	7173
7.65	13.30	12.50	13.26	12.00	0.04	0.50	5.95	5.00	5.95	-----	24 00	7244
5.52	15.55	13.80	15.47	13.30	0.08	0.50	*4.00	5.55	4.00	-----	-----	6757
3.92	14.15	13.00	13.09	13.00	0.86	1.00	6.49	6.00	6.49	-----	26 00	7074
5.55	13.60	13.00	12.86	12.00	0.74	1.00	6.03	6.00	6.03	-----	22 00	6733
1.32	11.55	11.00	10.37	10.00	0.68	1.00	9.79	8.00	9.79	-----	29 00	7758
2.95	10 96	11.00	10.06	10.00	0.90	1.00	5.16	5.00	5.16	-----	23 00	6467
1.40	12.79	13.00	11.99	12.00	0.80	1.00	5.77	5.00	5.77	-----	25 50	7790

*Deficient.

TABLE VIII.—ROCK AND

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
	RASIN-MONUMENTAL CO., SUBSIDIARY OF THE VIRGINIA-CAROLINA CHEMI- CAL CO., BALTIMORE, MD.	
5977	Rasin's Climax Phosphate and Potash, --	H. B. Low & Son, Orangeville, -----
7477	Rasin's Climax Phosphate and Potash, --	H. B. Low & Son, Orangeville, -----
7229	Rasin's Double Phosphate and Potash, --	J. S. Hause, Jerseytown, -----
5978	Rasin's Double Phosphate and Potash, --	H. B. Low & Son, Orangeville, -----
	READING BONE FERTILIZER CO., READING, PA.	
6119	Economy Brand, -----	Reading Bone Fertilizer Co., Reading, --
7623	Economy Brand, -----	Simon H. Reigel, Hamburg, -----
6597	High Grade Potash Mixture, -----	Alex S. Campbell & Sons, Oakdale, ---
7663	High Grade Potash Mixture, -----	Neal S. Harrison, Forks, -----
6117	High Grade Potash Mixture, -----	Reading Bone Fertilizer Co., Reading, --
	ROBERT A. REICHARD, INC., ALLENTOWN, PA.	
6096	Ideal Phosphate, -----	Robert A. Reichard, Inc., Allentown, --
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.	
5958	Royster's 10-4 Phosphate and Potash, ---	Geo. S. Chalfont, Milton, -----
6181	Royster's 10-4 Phosphate and Potash, ---	Reynoldsville Hardware Co., Reynolds- ville, -----
6409	Royster's 10-10 Phosphate and Potash, -----	J. M. Rider, Millville, -----
6139	Royster's 12-5 Phosphate and Potash, -----	Firestone & Shellito, Dillsburg, -----
6816	Royster's 12-5 Phosphate and Potash, -----	Wm. C. Headley, Waymart, -----
7485	Royster's 12-5 Phosphate and Potash, -----	Bruce W. & Alex Keller, Muncy Valley, ---
6406	Royster's 12-5 Phosphate and Potash, -----	J. M. Rider, Millville, -----
7648	Royster's 12-5 Phosphate and Potash, -----	E. L. Smith & Co., Union City, -----
	STANDARD CHEMICAL WORKS WOMELSDORF, PA.	
7304	Standard 12 and 5, -----	J. L. Hertzler, Mechanicsburg, -----
	SWACKS FERTILIZER WORKS, DUBOIS, PA.	
7070	Swack's Phosphate and Potash, -----	R. C. Wilson, Dayton, -----
7340	Swack's Super Phosphate, -----	Simon Eiseman, Meadville, -----
7381	Swack's Super Phosphate, -----	Swacks Fertilizer Works, Du Bois, -----
7073	Swack's Super Phosphate, -----	R. C. Wilson, Dayton, -----
7703	Swack's Super Phosphate, -----	Leonard Yeackle, Patton, -----
	SWIFT & COMPANY, BALTIMORE, MD.	
7476	Swift's Red Steer 0-12-6, -----	Arthur Foust, Danville, -----
7308	Swift's Special High Grade Phosphate and Potash 0-12-5, -----	J. L. Hertzler, Mechanicsburg, -----
7232	Swift's Special High Grade Phosphate and Potash 0-12-5, -----	S. R. Kline, Benton, -----
7283	Swift's Special High Grade Phosphate and Potash 0-12-5, -----	Darius Waite, Bellefonte, -----
	I. P. THOMAS & SON CO., PHILADELPHIA, PA.	
6342	Special Alkaline 0-12-3, -----	Geo. B. Kase, Danville, -----
6347	Potash Mixture 0-12-5, -----	Preston Eves & Son, Millville, -----
7269	Potash Mixture 0-12-5, -----	T. H. Gallentine, Scottdale, -----
7519	Potash Mixture 0-12-5, -----	Strickler, & Gillan, Greencastle, -----
7130	Potash Mixture 0-12-5, -----	C. W. Thomas, Danville, -----
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.	
7050	Standard United States High Grade Phos- phate and Potash 12-5, -----	David Farley, Montgomery, -----
6121	Standard United States High Grade Phos- phate and Potash 12-5, -----	A. B. C. Williams, York Springs, -----

POTASH FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	\$	
5.81	11.71	13.00	*11.48	12.00	0.23	1.00	6.85	6.00	6.85	-----	23 50	5977
2.10	13.28	13.00	12.80	12.00	0.48	1.00	6.04	6.00	6.04	-----	26 50	7477
2.37	11.90	11.00	11.58	10.00	0.32	1.00	4.39	4.00	4.39	-----	22 50	7229
4.80	10.19	11.00	10.05	10.00	0.14	1.00	4.44	4.00	4.44	-----	21 00	5978
7.05	11.17	11.00	10.17	10.00	1.00	1.00	4.15	4.00	4.15	-----	-----	6119
5.10	13.03	11.00	12.65	10.00	0.38	1.00	4.08	4.00	4.08	-----	24 00	7623
7.35	12.76	13.00	12.16	12.00	0.60	1.00	*7.10	8.00	7.10	-----	32 00	6597
7.25	14.25	13.00	13.67	12.00	0.58	1.00	*7.53	8.00	7.53	-----	27 75	7663
6.86	12.90	13.00	*11.42	12.00	1.48	1.00	7.83	8.00	7.83	-----	-----	6117
9.02	12.70	13.00	12.08	12.00	0.62	1.00	*4.77	5.00	4.77	-----	24 50	6096
6.55	10.91	10.50	9.95	10.00	0.96	0.50	4.43	4.00	4.48	-----	24 60	5958
6.74	10.98	10.50	10.06	10.00	0.92	0.50	3.92	4.00	3.92	-----	27 50	6181
6.19	10.74	10.50	*9.78	10.00	0.96	0.50	10.28	10.00	10.28	-----	26 50	6409
4.05	13.99	12.50	12.89	12.00	1.10	0.50	5.12	5.00	5.12	-----	-----	6139
4.95	13.16	12.50	12.22	12.00	0.94	0.50	5.68	5.00	5.68	-----	28 10	6816
6.12	13.42	12.50	12.32	12.00	1.10	0.50	5.03	5.00	5.03	-----	25 15	7485
6.80	13.00	12.50	*11.72	12.00	1.28	0.50	5.24	5.00	5.24	-----	24 45	6406
2.82	13.71	12.50	12.47	12.00	1.24	0.50	5.56	5.00	5.56	-----	25 00	7648
6.45	12.87	13.00	12.15	12.00	0.72	1.00	5.41	5.00	5.41	-----	-----	7304
1.65	12.23	11.00	11.65	10.00	0.58	1.00	3.86	4.00	3.86	-----	27 60	7070
5.10	12.87	13.00	12.57	12.00	0.30	1.00	6.37	6.00	6.37	-----	27 50	7340
3.75	13.14	13.00	12.86	12.00	0.28	1.00	6.13	6.00	6.13	-----	26 25	7381
4.12	13.47	13.00	13.15	12.00	0.32	1.00	*5.23	6.00	5.23	-----	28 25	7073
3.10	13.60	13.00	13.30	12.00	0.30	1.00	6.53	6.00	6.53	-----	25 65	7703
3.07	14.03	12.00	13.11	12.00	0.92	-----	*5.78	6.00	5.78	-----	-----	7476
4.90	13.20	12.00	12.78	12.00	0.42	-----	5.54	5.00	5.54	-----	-----	7308
3.30	12.91	12.00	12.49	12.00	0.42	-----	5.48	5.00	5.48	-----	25 50	7232
4.02	12.86	12.00	12.34	12.00	0.52	-----	6.13	5.00	6.13	-----	26 00	7283
7.45	12.99	12.50	12.21	12.00	0.78	0.50	3.82	3.00	3.82	-----	24 00	6342
7.00	13.46	12.50	*11.80	12.00	1.66	0.50	5.00	5.00	5.00	-----	23 00	6347
6.80	14.01	12.50	13.09	12.00	0.92	0.50	5.01	5.00	5.01	-----	29 00	7269
3.27	14.75	12.50	14.09	12.00	0.66	0.50	5.39	5.00	5.39	-----	-----	7519
4.62	14.47	12.50	13.57	12.00	0.90	0.50	4.92	5.00	4.92	-----	25 15	7130
2.75	12.96	12.50	12.42	12.00	0.54	0.50	5.29	5.00	5.29	-----	23 30	7050
3.05	13.56	-----	12.04	12.00	1.52	0.50	5.66	5.00	5.66	-----	20 70	6121

*Deficient.

TABLE VIII.—ROCK AND

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
	VIRGINIA-CAROLINA CHEMICAL CO. (OF DELAWARE), NEW YORK, N. Y.	
6223	V-C Castorland Brand, -----	Clyde Duffee, Oil City, -----
6661	V-C Castorland Brand, -----	Kemerer Hardware Co., Lehighton, -----
7461	V-C Olympic Brand, -----	Bedford County Cooperative Association, Everett, -----
	WASHINGTON, ALEXANDER & COOKE CO., AFFILIATED WITH VIRGINIA- CAROLINA CHEMICAL CO., CHARLES TOWN, W. VA.	
5890	Waceo Eight and Six, -----	E. S. Kelly, Gettysburg, -----
7191	Waceo Eight and Six, -----	E. S. Kelly, Gettysburg, -----
7497	Waceo Eight and Six, -----	Quarryville Farmers Association, Quarry- ville, -----
	THE WATSONTOWN FERTILIZER CO., WATSONTOWN, PA.	
6311	Valley Special, -----	C. A. B. Bower, Montgomery, -----
5949	Valley Special, -----	Watsonstown Fertilizer Co., Watsonstown, -----
7038	Valley Special, -----	Watsonstown Fertilizer Co., Watsonstown, -----
	YORK CHEMICAL WORKS, YORK, PA.	
6370	12-5, -----	Ralph G. Beaver, Thompsonstown, -----
7436	12-5, -----	Geo. Wineberg, Big Run, -----
		Average, -----
	LOW GRADE FORMULAS.	
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.	
6417	Boss Potash Fertilizer, -----	F. L. Allen, Allenwood, -----
6276	Bradley's Phosphate and Potash, -----	Geo. Iffts & Sons, Evans City, -----
6007	Crown Phosphate, -----	John Greenleaf, Quarryville, -----
7500	Crown Phosphate, -----	John Greenleaf, Quarryville, -----
7811	Crown Phosphate, -----	John Greenleaf, Quarryville, -----
7087	Crown Phosphate, -----	Ewing P. Kinsloe, Newton Hamilton, -----
6363	Crown Phosphate, -----	L. E. Rhoads, Selinsgrove, -----
7258	Crown Phosphate, -----	F. P. Waite, Tyrone, -----
6006	Great Crop Grower, -----	John Greenleaf, Quarryville, -----
5932	Great Crop Grower, -----	W. B. Winey & Son, Middleburg, -----
7102	Great Crop Grower, -----	W. B. Winey & Son, Middleburg, -----
7275	Lister's Grain and Grass Fertilizer, -----	Grant Hardware Co., Jeannette, -----
6782	Lister's Grain and Grass Fertilizer, -----	M. H. Hollingshead, Harrisonville, -----
5939	Lister's Potash Mixture, -----	Benjamin Savidge, Turbotville, -----
5993	Lister's Potash Mixture, -----	R. R. Yoder, Belleville, -----
6638	Patapasco Alkaline Mixture, -----	F. P. Waite, Tyrone, -----
7160	Pollock's Victor Brand, -----	L. E. Rhoads, Selinsgrove, -----
6478	Tygart's Crop Grower, -----	Bedford County Cooperative Association, Everett, -----
7465	Tygart's Crop Grower, -----	Bedford County Cooperative Association, Everett, -----
7681	Woolridge's No. 2 Phosphate and Potash, -----	C. E. Brumbaugh, New Enterprise, -----
	ARMOUR FERTILIZER WORKS, BALTIMORE, MD.	
7221	Armour's Sure Crop Fertilizers, -----	McConnell Brothers, Hughesville, -----
	CENTRAL CHEMICAL CO., HAGERS- TOWN, MD.	
6513	Gro-All Commonwealth, -----	F. B. Baker, Everett, -----
6650	Gro-All Pioneer, -----	M. R. Brumbaugh, Martinsburg, -----
7522	Gro-All Pioneer, -----	Omwake Brothers, Greencastle, -----
	EASTERN GUANO CO., NEW YORK, N. Y.	
7530	Eastern Excelsior, -----	Walker Brothers, Chambersburg, -----

POTASH FERTILIZERS—Continued.

Moisture.	PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	\$	
4.34	9.53	11.00	*9.37	10.00	0.16	1.00	4.13	4.00	4.13	-----	25 00	6223
7.82	12.31	11.00	10.69	10.00	1.62	1.00	4.12	4.00	4.12	-----	27 00	6661
3.62	12.88	13.00	12.46	12.00	0.42	1.00	7.43	6.00	7.43	-----	28 50	7461
2.77	7.83	9.00	*7.51	8.00	0.32	1.00	6.33	6.00	6.33	-----	21 50	5890
2.42	8.51	-----	8.27	8.00	0.24	1.00	5.85	6.00	5.85	-----	22 25	7191
2.35	8.57	-----	8.03	8.00	0.54	1.00	6.15	6.00	6.15	-----	-----	7497
6.56	13.15	12.50	12.05	12.00	1.10	0.50	*4.71	5.00	4.71	-----	15 10	6311
6.39	13.00	12.50	11.98	12.00	1.02	0.50	5.01	5.00	5.01	-----	24 10	5949
3.07	14.52	12.50	13.82	12.00	0.70	0.50	*4.59	5.00	4.59	-----	24 50	7038
9.18	12.72	12.00	12.18	12.00	0.54	-----	5.14	5.00	5.14	-----	21 00	6370
8.00	13.16	12.00	12.72	12.00	0.44	-----	5.44	5.00	5.44	-----	26 35	7436
5.03	12.48	-----	11.80	-----	0.68	-----	5.77	-----	-----	-----	\$25 03	-----
3.65	8.62	9.00	8.00	8.00	0.62	1.00	5.53	5.00	5.53	-----	23 25	6417
5.80	11.11	11.00	10.51	10.00	0.60	1.00	2.07	2.00	2.07	-----	27 50	6276
3.83	11.23	11.00	10.35	10.00	0.88	1.00	2.06	2.00	2.06	-----	-----	6607
1.32	11.48	11.00	10.64	10.00	0.84	1.00	2.63	2.00	2.63	-----	-----	7500
5.90	11.02	11.00	10.32	10.00	0.70	1.00	2.22	2.00	2.22	-----	-----	7811
2.50	11.19	11.00	10.15	10.00	1.04	1.00	2.11	2.00	2.11	-----	22 80	7087
4.85	10.88	11.00	10.02	10.00	0.86	1.00	1.90	2.00	1.90	-----	19 00	6363
3.30	11.10	11.00	10.46	10.00	0.64	1.00	2.20	2.00	2.20	-----	23 00	7258
3.35	9.16	9.00	8.42	8.00	0.74	1.00	4.91	5.00	4.91	-----	-----	6606
5.53	8.62	9.00	7.96	8.00	0.66	1.00	5.25	5.00	5.25	-----	20 00	5932
5.50	8.97	9.00	8.21	8.00	0.76	1.00	5.21	5.00	5.21	-----	22 50	7102
2.10	11.49	11.00	10.59	10.00	0.90	1.00	2.84	2.00	2.84	-----	30 00	7275
2.62	11.51	11.00	10.65	10.00	0.86	1.00	2.73	2.00	2.73	-----	23 80	6782
4.77	8.73	9.00	8.35	8.00	0.38	1.00	5.70	5.00	5.70	-----	23 00	5939
4.91	8.62	9.00	8.06	8.00	0.56	1.00	5.92	5.00	5.92	-----	20 00	5993
2.23	9.02	9.00	8.36	8.00	0.66	1.00	5.59	5.00	5.59	-----	22 00	6638
2.50	9.18	9.00	8.50	8.00	0.68	1.00	5.50	5.00	5.50	-----	22 56	7160
2.40	8.67	9.00	8.01	8.00	0.66	1.00	5.38	5.00	5.38	-----	25 00	6478
4.47	9.10	9.00	8.42	8.00	0.68	1.00	5.18	5.00	5.18	-----	25 00	7465
4.85	9.13	9.00	8.43	8.00	0.70	1.00	5.37	5.00	5.37	-----	24 75	7681
4.30	8.56	8.50	8.44	8.00	0.12	0.50	5.28	5.00	5.28	-----	23 50	7221
3.10	10.61	10.50	10.27	10.00	0.34	0.50	2.20	2.00	2.20	-----	23 00	6513
5.07	11.47	8.50	10.71	8.00	0.76	0.50	5.51	5.00	5.51	-----	24 00	6650
1.70	9.62	8.50	9.00	8.00	0.62	0.50	5.37	5.00	5.37	-----	-----	7522
1.80	10.13	8.50	9.71	8.00	0.42	0.50	4.89	5.00	4.89	-----	-----	7539

*Deficient.

TABLE VIII.—ROCK AND

Chemist's number.	Name of Manufacture and Brand.	Sample Taken From—
	S. M. HESS & BROTHER, SUBSIDIARY OF THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.	
6522	Standard Alkaline, -----	J. E. Jackson, Everett, -----
	HUBBARD FERTILIZER CO., BALTI- MORE, MD.	
7685	Hubbard's Phosphate and Potash, -----	Cove Cooperative Association, Curryville, -----
7060	Hubbard's Phosphate and Potash, -----	H. W. Smith, Rural Valley, -----
7585	Hubbard's Phosphate and Potash, -----	A. H. Ulsh Sons, Millerstown, -----
	LANCASTER CHEMICAL CO., LANCASTER, PA.	
7615	No. 10 Economist Fertilizer, -----	J. W. Seitzinger, Strausstown, -----
	THE MILLER FERTILIZER CO., BALTIMORE, MD.	
5943	Miller's Clinch Phosphate, -----	Hartley & Blaine, Turbotville, -----
	PATUXENT GUANO COMPANY, BALTIMORE, MD.	
6388	Patuxent Alsation Potash Mixture, -----	Chas. S. Brunner, New Bloomfield, -----
5841	Patuxent Alsation Potash Mixture, -----	M. C. Deitz & Son, Mechanicsburg, -----
7540	Patuxent Alsation Potash Mixture, -----	Walker Brothers, Chambersburg, -----
	RASIN-MONUMENTAL CO., SUBSIDIARY OF THE VIRGINIA-CAROLINA CHEMICAL CO., BALTI- MORE, MD.	
5936	Rasin's Special Potash Mixture, -----	J. A. Ebright, Mt. Pleasant Mills, -----
7209	Rasin's Special Potash Mixture, -----	J. A. Ebright, Mt. Pleasant Mills, -----
	ROBERT A. REICHARD, INC., ALLENTOWN, PA.	
6099	American Eagle, -----	Robert A. Reichard, Inc., Allentown, -----
	WASHINGTON, ALEXANDER & COOKE CO., AFFILIATED WITH VIRGINIA- CAROLINA CHEMICAL CO., CHARLESTOWN, W. VA.	
6625	Waco Special Potash Mixture, -----	Quarryville Farmers Association, Quarry- ville, -----
7496	Waco Special Potash Mixture, -----	Quarryville Farmers Association, Quarry- ville, -----
	THE WORLDS FERTILIZER PROCESS CO., SHARPSBURG, PA.	
7757	Shur-Gro Odorless Fertilizer, -----	G. F. Gabel, Sharpsburg, -----
6094	Shur-Gro Odorless Fertilizer, -----	H. H. Lynn, Bethlehem, -----
6270	Shur-Gro Odorless Fertilizer, -----	E. E. Tribby, West Middlesex, -----
6795	Shur-Gro Odorless Fertilizer, -----	Weeks Hardware Co., Scranton, -----
		Average, -----
		Total average, -----

POTASH FERTILIZERS—Concluded.

Moisture.	PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	\$	
2.03	8.89	9.00	8.27	8.00	0.62	1.00	5.91	5.00	5.91	-----	25 00	6522
2.20	10.91	11.00	10.31	10.00	0.60	1.00	2.24	2.00	2.24	-----	23 50	7685
2.00	10.83	11.00	10.17	10.00	0.66	1.00	2.20	2.00	2.20	-----	23 00	7000
2.37	11.03	11.00	10.71	10.00	0.32	1.00	2.07	2.00	2.07	-----	23 00	7585
5.55	12.50	-----	11.64	10.00	0.86	1.00	2.15	2.00	2.15	-----	21 50	7615
4.65	11.06	10.50	10.34	10.00	0.72	0.50	2.40	2.00	2.40	-----	22 00	5043
8.85	11.77	-----	11.35	8.00	0.42	1.00	5.24	5.00	5.24	-----	21 00	6388
7.97	11.14	-----	10.52	8.00	0.62	1.00	*4.63	5.00	4.63	-----	-----	5841
2.75	10.23	9.00	9.39	8.00	0.84	1.00	5.21	5.00	5.21	-----	-----	7540
3.83	8.85	9.00	8.69	8.00	0.16	1.00	5.31	5.00	5.31	-----	22 00	5936
2.32	9.07	9.00	8.77	8.00	0.30	1.00	5.09	5.00	5.09	-----	22 50	7269
4.90	12.07	11.00	*9.08	10.00	2.99	1.00	2.33	2.00	2.33	-----	20 50	6099
3.50	11.77	9.00	11.25	8.00	0.52	1.00	5.23	4.00	5.23	-----	20 25	6625
1.75	9.63	9.00	9.13	8.00	0.50	1.00	4.52	4.00	4.52	-----	-----	7486
†3.34	†8.93	-----	†8.35	5.00	†0.58	0.50	††2.68	2.00	2.68	-----	per pkg. †10	7757
†2.50	†7.50	5.50	†6.50	5.00	†1.00	0.50	††2.29	2.00	2.29	-----	†45 00	6094
†2.20	†7.46	5.50	†6.90	5.00	†0.56	0.50	††2.74	2.00	2.74	-----	†100 00†	6270
†1.54	†6.08	5.50	†5.62	5.00	†0.46	0.50	††3.08	2.00	3.08	-----	†60 00	6795
3.78	10.23	-----	9.54	-----	0.69	-----	4.05	-----	-----	-----	\$22 96	-----
4.76	12.00	-----	11.32	-----	0.68	-----	5.41	-----	-----	-----	\$24 59	-----

*Deficient.

†Potash present as carbonate.

†Excluded from average.

TABLE IX.—MISCEL

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—	Moisture.
NITRATE OF SODA.			
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.			
6611	Nitrate of Soda, -----	John Greenleaf, Quarryville, -----	% 0.47
6365	Nitrate of Soda, -----	L. E. Rhoads, Solinsgrove, -----	1.67
5868	Nitrate of Soda, -----	The Farmers Exchange, Indiana, -----	1.15
7378	Nitrate of Soda, -----	The Farmers Exchange, Indiana, -----	0.35
ARMOUR FERTILIZER WORKS, BALTIMORE, MD.			
7514	Armour's Big Crop N.trate of Soda, ----	M. L. Bachman, Lebanon, -----	0.30
7475	Armour's Big Crop Nitrate of Soda, ----	Chaapels' Seed Store, Williamsport, ---	1.25
6230	Armour's Big Crop Nitrate of Soda, ----	Andrew Karg, Oil City, -----	1.17
6369	Armour's Big Crop Nitrate of Soda, ----	D. B. Swartz, Millerstown, -----	1.51
7843	Armour's Big Crop Nitrate of Soda, ----	Walker & Son, Gap, -----	0.50
5872	Armour's Big Crop Nitrate of Soda, ----	E. J. Weleh, Plumville, -----	1.87
ASSOCIATED CHEMICAL CO., HAGERSTOWN, MD.			
5982	Nitrate of Soda, -----	N. G. Adams, Paxinos, -----	1.68
6885	Nitrate of Soda, -----	El. E. Hepler, Klingerstown, -----	1.62
7800	Nitrate of Soda, -----	Johnson-Byer Co., Rural Valley, -----	0.20
BAUGH & SONS COMPANY, PHILADELPHIA, PA.			
5885	Nitrate of Soda, -----	Homer City Feed Mills, Homer City, --	1.82
7334	Nitrate of Soda, -----	W. S. Minnum, Meadville, -----	0.30
5822	Nitrate of Soda, -----	Edward P. Wargo, Danville, -----	0.11
FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.			
6004	Nitrate of Soda, -----	Walter Foltz, Belleville, -----	0.23
6385	Nitrate of Soda, -----	B. F. Horting, Newport, -----	0.52
GRIFFITH & BOYD CO., BALTIMORE, MD.			
6174	Nitrate of Soda, -----	Mahoning Hardware & Implement Co., Punxsutawney, -----	1.76
THE HUBBARD FERTILIZER COMPANY, BALTIMORE, MD.			
6245	Nitrate of Soda, -----	J. L. Alcorn, Titusville, -----	0.60
6426	Nitrate of Soda, -----	H. J. Beam, Big Run, -----	1.30
7571	Nitrate of Soda, -----	James McCullough, Jr., Kittanning, --	1.25
6151	Nitrate of Soda, -----	T. J. Malone, Coburn, -----	1.21
THE JARECKI CHEMICAL CO., (ARMOUR OWNED), SANDUSKY, OHIO.			
6432	Jarecki's Nitrate of Soda, -----	Craft & Bowers, Big Run, -----	0.92
THE KEYSTONE GRANGE EXCHANGE, HARRISBURG, PA.			
6866	Granger's Nitrate of Soda, -----	H. M. Good, Dayton, -----	0.71
LEBANON FERTILIZER WORKS, LEBANON, PA.			
6875	Nitrate of Soda, -----	W. H. Maurer, Hegins, -----	0.59
FRED E. LORD, ESPY, PA.			
5815	Nitrate of Soda, -----	Fred E. Lord, Espy, -----	0.52
7120	Nitrate of Soda, -----	Fred E. Lord, Espy, -----	1.30

[illegible]

TABLE IX.—MISCEL

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—	Moisture.
	THE MILLER FERTILIZER CO., BALTIMORE, MD.		
6837	Nitrate of Soda, -----	Chas. C. Bell, Nanticoke, -----	% 2.70
7208	Nitrate of Soda, -----	John Phillips & Sons, Sunbury, -----	1.65
	NITRATE AGENCIES COMPANY, BALTIMORE, MD.		
6162	Naco Brand Nitrate of Soda, -----	Clarence Beck, Warriors Mark, -----	1.87
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.		
6503	Nitrate of Soda, -----	Farmers Supply Co., Sunbury, -----	0.62
	READING BONE FERTILIZER CO., READING, PA.		
6218	Nitrate of Soda, -----	Bertran C. Rice, Dallas, -----	0.61
	F. S. ROYSTER GUANO CO., BALTI- MORE, MD.		
5953	Nitrate of Soda, -----	Geo. S. Chalfont, Milton, -----	1.44
6803	Nitrate of Soda, -----	Summitt Farm Equipment Co., Clarks Summitt, -----	2.19
	SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.		
7713	Summer's Nitrate of Soda, -----	L. A. Carlson, Warren, -----	0.20
	SWIFT & COMPANY, BALTIMORE, MD.		
6711	Swift's Nitrate of Soda, -----	S. G. Updegraff & Son, Williamsport, -----	1.97
	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.		
6062	Nitrate of Soda No. 125, -----	William P. Young & Son, Pottstown, -----	0.50
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
5968	Nitrate of Soda, -----	William K. Creasy, Espy, -----	0.93
	VIRGINIA-CAROLINA CHEMICAL CO. (OF DELAWARE), NEW YORK, N. Y.		
6720	Nitrate of Soda, -----	Herman Keebler, Montoursville, -----	0.23
5869	Nitrate of Soda, -----	A. P. Marshall, Smicksburg, -----	0.35
6487	Nitrate of Soda, -----	James E. Smith, Berwick, -----	2.22
		Average, -----	1.05
	SULPHATE OF AMMONIA. THE BARRETT COMPANY, NEW YORK, N. Y.		
6324	Arcadian Sulphate of Ammonia, -----	Chaapels Feed Store, Williamsport, ---	0.91
6375	Arcadian Sulphate of Ammonia, -----	H. E. Van Ormer, Thompsontown, ----	0.06
	BAUGH & SONS COMPANY, PHILA- DELPHIA, PA.		
7279	Sulphate of Ammonia, -----	Dean Mummau, Marion Center, -----	0.12
6945	Sulphate of Ammonia, -----	P. J. Oesterling & Son, Butler, -----	0.13
	FORD MOTOR CO., DEARBORN, MICH.		
6180	Ford Ammonium Sulphate, -----	Mahoning Valley Milling Co., Punxsu- tawney, -----	0.25
6060	Ford Ammonium Sulphate, -----	William P. Young & Son, Pottstown, -----	0.11
	FRED E. LORD, ESPY, PA.		
5814	Sulphate of Ammonia, -----	Fred E. Lord, Espy, -----	0.27

[illegible]

TABLE IX.—MISCEL

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—	Moisture.
	NITRATE AGENCIES COMPANY, BALTIMORE, MD.		%
6-61	Naeo Brand Sulphate of Ammonia, -----	Beaver County Cooperative Association Beaver, -----	0.57
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.		
7155	Sulphate of Ammonia, -----	Milton O. Lauver, Mt. Pleasant Mills.	0.30
	SWIFT & COMPANY, BALTIMORE, MD.		
6350	Swift's Sulphate of Ammonia, -----	W. C. Follmer, Benton, -----	0.97
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
5973	Sulphate of Ammonia, -----	William K. Creasy, Espy, -----	0.65
	DRIED BLOOD.	Average, -----	0.34
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
7716	Dried Blood, -----	S. L. Harrison, Wilkes-Barre, -----	10.61
	YORK CHEMICAL WORKS, YORK, PA.		
7368	Dried Ground Blood, -----	Red Lion Exchange, Red Lion, -----	7.00
	DRIED FISH.	Average, -----	8.50
	THE HUBBARD FERTILIZER COM- PANY, BALTIMORE, MD.		
6334	Dry Ground Fish 10%, -----	Solomon & Waltz, Jersey Shore, -----	6.67
	FRED E. LORD, ESPY, PA.		
5819	Fish Meal, -----	Fred E. Lord, Espy, -----	6.38
	TANKAGE.	Average, -----	6.52
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
7252	Ground Tankage, -----	F. J. Strittmatter Co., Bradley Junc- tion, -----	8.65
5867	Ground Tankage, -----	The Farmers Exchange, Indiana, -----	3.95
7154	Ground Tankage 6-30, -----	Jonas C. Kratzer, Selinsgrove, -----	5.62
	ASSOCIATED CHEMICAL CO., HAGERSTOWN, MD.		
6880	Animal Tankage, -----	E. E. Hepler, Klingerstown, -----	4.83
5950	Animal Tankage, -----	Watson-town Fertilizer Co., Watson- town, -----	6.75
	THE BERG CO., PHILADELPHIA, PA.		
6792	Ground Animal Tankage, -----	Anthony & Co., Renovo, -----	4.28
	W. S. CAPLES & SON, JOHNSTOWN, PA.		
7700	Animal Tankage, -----	W. S. Caples & Son, Johnstown, -----	3.10
6470	Animal Tankage, -----	J. G. Simpson, Huntingdon, -----	3.26
	INDEPENDENT MANUFACTURING CO. PHILADELPHIA, PA.		
6896	Independent's Pure Animal Tankage 6%, -----	Great Valley Mills, Paoli, -----	3.55

LANEIOUS FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
21.55	20.56											72 00	6261
21.40	20.56											71 00	7155
21.72	20.56											80 00	6350
21.95													5973
21.59												\$73 75	
12.31												85 00	7716
13.70	13.12												7268
13.01												\$85 00	
9.68	8.20	6.12										70 00	6334
9.24	8.22	8.10	7.00									70 00	5819
9.46		7.11										\$70 00	
7.77	7.41	10.56	9.15									43 90	7252
7.74	7.41	11.95	9.15									62 75	5867
5.81	4.94	14.91	13.73									29 85	7154
*5.43	6.50	9.72	6.86									45 00	6880
5.40	4.93	*12.77	13.73									40 00	5950
6.35	4.53	*14.77	15.00									40 00	6792
*4.46	4.80	15.18	10.00									40 00	7700
*4.28	4.80	13.56	10.00									55 00	6470
4.90		18.99										54 00	6896

*Deficient.

TABLE IX.—MISCEL

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—	Moisture.
	FRED E. LORD, ESPY, PA.		%
5817	Fertilizer Tankage, -----	Fred E. Lord, Espy, -----	5.65
7028	Fertilizer Tankage, -----	Fred E. Lord, Espy, -----	4.82
	THE MILLER FERTILIZER CO., BALTIMORE, MD.		
7163	9% Tankage, -----	John Phillips & Sons, Sunbury, -----	5.87
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.		
7010	Slaughter House Tankage, -----	W. C. Follmer, Benton, -----	6.37
	SWIFT & COMPANY, BALTIMORE, MD.		
6351	Swift's Florist Special Tankage, -----	W. C. Follmer, Benton, -----	3.97
	UNITED HOME DRESSED MEAT CO., ALTOONA, PA.		
7696	Dry Tankage, -----	United Home Dressed Meat Co., Altoona, -----	3.85
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
5971	Fish Tankage, -----	William K. Creasy, Espy, -----	6.90
7397	Standard United States Fine Ground Animal Tankage, -----	William Grant Beaver, Catawissa, -----	3.72
5967	Standard United States Fine Ground Animal Tankage, -----	William K. Creasy, Espy, -----	5.56
7727	Standard United States Fine Ground Animal Tankage, -----	Fred E. Hess, Nescopeek, -----	3.35
		Average, -----	4.92
	KAINIT.		
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
6742	Kainit, -----	W. L. Mitzel, Red Lion, -----	0.34
	ASSOCIATED CHEMICAL CO., BALTIMORE, MD.		
6881	Kainit, -----	E. E. Hepler, Klingerstown, -----	0.50
	THE MILLER FERTILIZER., BALTIMORE, MD.		
7005	Kainit, -----	W. C. Follmer, Benton, -----	0.37
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.		
6506	Kainit, -----	Farmers Supply Co., Sunbury, -----	0.20
	F. S. ROYSTER GUANO CO., BALTIMORE, PD.		
7606	Genuine German Kainit, -----	W. C. Follmer, Benton, -----	0.80
	SWIFT & COMPANY, BALTIMORE, MD.		
6352	Swift's Kainit, -----	W. C. Follmer, Benton, -----	0.85
		Average, -----	0.51
	MANURE SALT.		
	ASSOCIATED CHEMICAL CO., HAGERSTOWN, MD.		
5951	Manure Salt, -----	Watson town Fertilizer Co., Watson- town, -----	0.63
7041	Manure Salt, -----	Watson town Fertilizer Co., Watson- town, -----	0.35

LANEIOUS FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
7.81	6.16	8.93	9.00									40 00	5817
7.15	6.16	10.46	9.00									40 00	7028
7.70	7.40	11.94	4.00									50 00	7163
7.40	7.40	11.02	9.20									45 00	7010
*4.26	4.93	14.21	12.00									45 00	6351
6.28	6.00	11.91	8.00									30 00	7696
8.11		7.05											5971
†*6.90		13.69											7397
8.35		10.00											5967
*6.61	8.22	13.31	4.57									58 50	7727
6.46		12.36										\$44 94	
								14.77	12.40	14.77		16 50	6742
								15.57	12.40	15.57		15 00	6881
								12.91	12.00	12.91		20 00	7005
								12.84	12.40	12.84		17 00	6506
								16.41	12.40	16.41		20 00	7006
								14.32	12.40	14.32		17 00	6352
								14.47				\$17 58	
								21.17	20.00	21.17		22 00	5951
								25.20	20.00	25.20		22 00	7041

*Deficient.

†Compared with registered guarantee.

TABLE IX.—MISCEL.

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—	Moisture.
	FRED E. LORD, ESPY, PA.		%
5816	Manure Salt, -----	Fred E. Lord, Espy, -----	1.78
7026	Manure Salt, -----	Fred E. Lord, Espy, -----	0.49
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
6969	Manure Salt, -----	United States Guano Company, Lan- caster, -----	1.35
	MURIATE OF POTASH.	Average, -----	0.92
	THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.		
7554	Muriate of Potash, -----	Wm. B. Barnitz, Carlisle, -----	0.30
6364	Muriate of Potash, -----	L. E. Rhoads, Selinsgrove, -----	0.87
7376	Muriate of Potash, -----	Farmers Exchange, Indiana, -----	1.10
6519	Muriate of Potash, -----	J. E. Jackson, Everett, -----	0.28
7044	Muriate of Potash, -----	Geo. B. Thomas, Elmsport, -----	0.30
6159	Muriate of Potash, -----	T. P. Waite, Tyrone, -----	0.32
	ARMOUR FERTILIZER WORKS, BALTIMORE, MD.		
6381	Armour's Big Crop Fertilizers Muriate of Potash, -----	B. F. Horting, Newport, -----	0.16
6229	Armour's Big Crop Fertilizers Muriate of Potash, -----	Andrew Karg, Oil City, -----	0.28
7661	Armour's Big Crop Fertilizers Muriate of Potash, -----	Schrimper Brothers, Belle Valley, -----	0.50
5871	Armour's Big Crop Fertilizers Muriate of Potash, -----	E. J. Welch, Plumville, -----	0.40
	ASSOCIATED CHEMICAL CO., BALTIMORE, MD.		
5945	Muriate of Potash, -----	Watsontown Fertilizer Co., Watson- town, -----	0.36
7042	Muriate of Potash, -----	Watsontown Fertilizer Co., Watson- town, -----	0.32
	BAUGH & SONS COMPANY, PHILA- DELPHIA, PA.		
6212	Muriate of Potash, -----	Gallagher & Stevick, Wilkes-Barre, -----	1.37
6920	Muriate of Potash, -----	McEwen Hardware, New Bethlehem, -----	0.20
7335	Muriate of Potash, -----	W. S. Minnium, Meadville, -----	0.25
5829	Muriate of Potash, -----	Edward P. Wargo, Danville, -----	0.46
	COOPERATIVE G. L. F. EXCHANGE, INC., NEW YORK, N. Y.		
6923	G. L. F. Muriate of Potash, -----	A. W. Huff, Mt. Jewett, -----	0.20
	FARMERS FERTILIZER WORKS, ELIZABETHTOWN, PA.		
7549	Muriate of Potash, -----	Belleville Flour Mills, Belleville, -----	0.10
6905	Muriate of Potash, -----	Walter Foltz, Belleville, -----	0.28
7589	Muriate of Potash, -----	B. F. Horting, Newport, -----	0.17
	GRIFFITH & BOYD CO., BALTIMORE, MD.		
7067	Muriate of Potash, -----	Dayton Milling Co., Dayton, -----	0.20
	THE HUBBARD FERTILIZER COM- PANY, BALTIMORE, MD.		
6244	Muriate of Potash, -----	J. L. Alcorn, Titusville, -----	0.28
6427	Muriate of Potash, -----	H. J. Beam, Big Run, -----	0.17

LANEOUS FERTILIZERS—Continued.

NITRO- GEN-		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
								21.77	20.00	21.77		20 00	5816
								22.06	20.00	22.06		20 00	7026
								22.56	20.00	22.56		17 50	6969
								22.55				\$20 30	
								48.79	48.00	48.79			7554
								*46.71	48.00	46.71		46 00	6364
								49.56	48.00	49.56		65 00	7376
								48.37	48.00	48.37		50 00	6519
								*47.72	48.00	47.72		45 60	7044
								47.81	48.00	47.81		43 00	6159
								51.69	48.00	51.69		45.00	6381
								52.57	48.00	52.57		60 00	6229
								53.43	48.00	53.43		55 00	7661
								52.90	48.00	52.90		48 00	5871
								50.78	50.00	50.78		45 00	5945
								51.61	50.00	51.61		47 00	7042
								50.50	48.00	50.50		55 00	6212
								53.20	48.00	53.20		50 00	6920
								49.40	48.00	49.40		60 00	7335
								48.29	48.00	48.29		47 00	5829
								52.03	50.00	52.03		42 00	6923
								53.02	50.00	53.02		50 00	7549
								*49.32	50.00	49.32		50 00	6005
								52.52	50.00	52.52		45 00	7539
								50.67	50.00	50.67		51 00	7067
								51.57	50.00	51.57		60 00	6244
								51.05	50.00	51.05		60 00	6427

*Deficient.

TABLE IX.—MISCEL

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—	Moisture.
	KEYSTONE GRANGE EXCHANGE, HARRISBURG, PA.		%
6865	Grangers Muriate of Potash, -----	H. W. Good, Dayton, -----	0.19
6841	Grangers Muriate of Potash, -----	Oyler & Spangler Fertilizer Works, Gettysburg, -----	0.53
	LEBANON FERTILIZER WORKS, LEBANON, PA.		
6876	Muriate of Potash, -----	W. H. Maurer, Hegins, -----	0.27
7412	Muriate of Potash, -----	Solomon & Waltz, Jersey Shore, -----	0.27
	FRED E. LORD, ESPY, PA.		
5818	Muriate Potash, -----	Fred E. Lord, Espy, -----	0.22
7025	Muriate Potash, -----	Fred E. Lord, Espy, -----	0.47
	THE MILLER FERTILIZER CO., BALTIMORE, MD.		
7164	Muriate of Potash, -----	John Phillips & Sons, Sunbury, -----	0.42
	NITRATE AGENCIES COMPANY, BALTIMORE, MD.		
6907	Naco Brand Muriate of Potash, -----	Cooperative Grange Milling Co., Titus- ville, -----	3.92
	PENNSYLVANIA COOPERATIVE FEDERATION, INC., PHILADEL- PHIA, PA.		
7389	Muriate Potash, -----	Clearfield County Cooperative Associa- tion, Clearfield, -----	0.35
	PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.		
6504	Muriate of Potash, -----	Farmers Supply Co., Sunbury, -----	0.17
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.		
7156	Muriate of Potash, -----	Milton O. Lauver, Mt. Pleasant Mills, -----	0.25
	THE SUMMERS FERTILIZER CO., INC., BALTIMORE, MD.		
6549	Summer's Muriate of Potash, -----	L. A. Carlson, Warren, -----	0.30
	SWACKS FERTILIZER WORKS, DUBOIS, PA.		
7434	Muriate of Potash, -----	Mahoning Valley Milling Co., Punxsu- tawney, -----	0.62
	SWIFT & COMPANY, BALTIMORE, MD.		
7011	Swift's Muriate of Potash, -----	W. C. Follmer, Benton, -----	1.10
6714	Swift's Muriate of Potash, -----	S. G. Updegraff & Son, Williamsport, -----	0.10
	I. P. THOMAS & SON COMPANY, PHILADELPHIA, PA.		
6061	K. G. Germany Muriate of Potash, -----	William P. Young & Son, Pottstown, -----	0.11
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
7395	Muriate of Potash, -----	William Grant Beaver, Catawissa, -----	0.52
5969	Muriate of Potash, -----	William K. Creasy, Espy, -----	3.73
7715	Muriate of Potash, -----	S. L. Harrison, Wilkes-Barre, -----	1.04
7732	Muriate of Potash, -----	Fred E. Hess, Neseopeck, -----	0.80
	VIRGINIA-CAROLINA CHEMICAL CO. (OF DELAWARE), NEW YORK, N. Y.		
5934	Muriate of Potash, -----	J. A. Ebright, Mt. Pleasant Mills, -----	1.27
7498	Muriate of Potash, -----	Quarryville Farmers Association, Quarryville, -----	0.32

LANEUS FERTILIZERS—Continued.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
								48.93	48.00	48.93		44 00	6865
								49.96	48.00	49.96			6841
								51.01	50.00	51.01		38 70	6876
								52.16	50.00	52.16		48 00	7412
								51.10	50.00	51.10		45 00	5818
								52.10	50.00	52.10		45 00	7025
								*49.19	50.00	49.19		50 00	7164
								50.50	48.00	50.50		39 75	6907
								51.66	50.00	51.66		51 00	7389
								*49.15	50.00	49.15		45 00	6504
								52.90	48.00	52.90		48 50	7156
								51.03	48.00	51.03		60 00	6549
								53.67	48.00	53.67		50 00	7434
								50.61	50.00	50.61		57 20	7011
								50.36	50.00	50.36		52 00	6714
								51.75		51.75		50 00	6061
								*48.09	50.00	48.09		38 55	7395
								*48.27	50.00	48.27			5969
								*49.45	50.00	49.45		41 50	7715
								51.26	50.00	51.26		41.50	7732
								50.68	48.00	50.68		42 00	5934
								53.60		53.60			7498

*Deficient.

TABLE IX.—MISCEL

Chemist's number.	Name of Manufacturer and Brand.	Sample Taken From—	Moisture.
	YORK CHEMICAL WORKS, YORK, PA.		
7369	Muriate of Potash, -----	Red Lion Exchange, Red Lion, -----	% 0.82
	SULPHATE OF POTASH.	Average, -----	0.57
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
5970	Sulphate of Potash, -----	William K. Creasy, Espy, -----	1.04
	MISCELLANEOUS.		
	ACME FERTILIZER & PLANT FOOD CO., LANCASTER, PA.		
3608	Acme Plant Food, -----	John Greenleaf, Quarryville, -----	2.27
	E. T. ALLEN COMPANY, ATLANTA, GA.		
6975	High Grade Cotton Seed Meal, -----	Lancaster County Farmers' Supply Co., Manheim, -----	7.33
	BONE-DRY LIME CORPORATION, CASSADAGA, N. Y.		
6267	Humo-Phos, -----	J. A. Adams, Mercer, -----	4.28
	THE F. & I. TOBACCO PRODUCTS CO., LANCASTER, PA.		
7752	F. & I., -----	Beckert Seed Store, Pittsburgh, -----	7.53
	JOHNSTOWN SOIL FOOD COMPANY, JOHNSTOWN, PA.		
6635	General Crop Grower, -----	A. F. Stutzman & Son, Johnstown, --	4.71
7701	General Crop Grower, -----	A. F. Stutzman & Son, Johnstown, --	8.10
6636	Special Potato Grower, -----	A. F. Stutzman & Son, Johnstown, --	5.01
	F. S. ROYSTER GUANO CO., BALTIMORE, MD.		
6899	Special Tobacco Mixture, -----	J. L. Alcorn, Titusville, -----	4.08
	M. L. SHOEMAKER & CO., INC., PHILADELPHIA, PA.		
7842	Shoemaker's Swift-Sure Bone Meal and Acid Phosphate, -----	Walker & Son, Gap, -----	3.25
	UNITED STATES GUANO COMPANY, BALTIMORE, MD.		
3970	Cotton Seed Meal, -----	United States Guano Company, Lancaster, -----	8.13

LANEUS FERTILIZERS—Concluded.

NITRO- GEN.		PHOSPHORIC ACID.						POTASH.				Selling price per ton at place of selection.	Chemist's number.
Found.	Guaranteed.	Total.		Available.		Insoluble.		Found.	Guaranteed.	Present as Muriate.	Present as Sulphate.		
		Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.						
%	%	%	%	%	%	%	%	%	%	%	%	\$	
								50.68	50.00	50.68			7369
								50.69				\$48 96	
								49.83	48.00	4.00	45.83		5970
*0.53	1.65	*0.13	0.25					0.18	0.10				6608
6.52	6.58	3.58										52 00	6975
*0.61	0.82	8.84	9.64	0.54	0.64	8.30	9.00					35 00	6267
2.25	2.07	0.64	0.50	0.62		0.02	0.25	5.06	3.00	1.20	3.86	35 00	7752
*0.90	1.55	3.32		*1.47	8.00	1.85		*2.74	4.00	2.74		25 00	6635
1.00	0.43	5.66	2.31	3.20	1.21	2.46	1.10	*3.46	4.00	3.46		26 00	7701
*0.90	1.65	2.97		*1.36	8.00	1.61		*5.48	10.00	5.48		30 00	6636
		15.70		14.46		1.24						21 00	6899
3.05	2.25	19.21	18.00	11.15	10.00	8.06	8.00						7842
6.45	6.58	2.93											6970

*Deficient.

